```
;             STREET: 840 NEWPORT CENTER DRIVE, SUITE 700
;             CITY: NEWPORT BEACH
;             STATE: CALIFORNIA
;             COUNTRY: US
;             ZIP: 92660
;         COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;         CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/236,140A
;             FILING DATE: 22-Jan-1999
;             CLASSIFICATION: <Unknown>
;         ATTORNEY/AGENT INFORMATION:
;             NAME: Cullman, Louis C.
;             REGISTRATION NUMBER: 39,645
;             REFERENCE/DOCKET NUMBER: 20263.332 / 1146.020
;         TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (949) 823.6000
;             TELEFAX: (949) 823.6100
;    INFORMATION FOR SEQ ID NO: 112:
;         SEQUENCE CHARACTERISTICS:
;             LENGTH: 18 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;         SEQUENCE DESCRIPTION: SEQ ID NO: 112:
US-09-236-140A-112

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        890 TAACTATCAAAGGACAC 906
              ||||| ||||| | |||
Db          2 TAACTGTCAAAAGCCAC 18


RESULT 1749
US-09-540-699-1
; Sequence 1, Application US/09540699
; Patent No. 6383752
; GENERAL INFORMATION:
;  APPLICANT:  Agrawal, Sudhir
;  APPLICANT:  Kandimalla, Ekambar R.
;  TITLE OF INVENTION:  Pseudo-Cyclic Oligonucleobases
;  FILE REFERENCE:  99,128-B
;  CURRENT APPLICATION NUMBER: US/09/540,699
;  CURRENT FILING DATE:  2000-03-31
;  PRIOR APPLICATION NUMBER:  US 60/127,138
;  PRIOR FILING DATE:  1999-03-31
;  PRIOR APPLICATION NUMBER:  US 60/174,642
;  PRIOR FILING DATE:  2000-01-05
;  NUMBER OF SEQ ID NOS:  26
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 1
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Oligonucleotide
;   OTHER INFORMATION: that is complementary to the mRNA of regulatory
;   OTHER INFORMATION: subunit of protein kinase A
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(18)
;   OTHER INFORMATION: /note= "All phosphorothioate internucleotide
;   OTHER INFORMATION: linkages"
US-09-540-699-1

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1936 CGTACCTTCCCACTGGC 1952
              ||| ||| | |||||||
Db          2 CGTGCCTCCTCACTGGC 18


RESULT 1750
US-09-383-316-81
; Sequence 81, Application US/09383316
; Patent No. 6391551
; GENERAL INFORMATION:
;  APPLICANT:  Shultz, John W
;  APPLICANT:  Lewis, Martin K.
;  APPLICANT:  Lieppe, Donna
;  APPLICANT:  Mandrekar, Michelle
;  APPLICANT:  Kephart, Daniel
;  APPLICANT:  Rhodes, Richard B.
;  APPLICANT:  Andrews, Christine A.
;  APPLICANT:  Hartnett, James R.
;  APPLICANT:  Gu, Trent
;  APPLICANT:  Olson, Ryan J.
;  APPLICANT:  Wood, Keith W.
;  APPLICANT:  Welch, Roy
;  TITLE OF INVENTION:  Nucleic Acid Detection
;  FILE REFERENCE:  PRO-104 6868/75529
;  CURRENT APPLICATION NUMBER: US/09/383,316
;  CURRENT FILING DATE:  1999-08-25
;  PRIOR APPLICATION NUMBER:  09/252,436
;  PRIOR FILING DATE:  1999-02-18
;  PRIOR APPLICATION NUMBER:  09/042,287
;  PRIOR FILING DATE:  1998-03-13
;  PRIOR APPLICATION NUMBER:  09/358,972
;  PRIOR FILING DATE:  1999-07-21
;  NUMBER OF SEQ ID NOS:  123
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 81
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: CAH oligo 5 for mutation site 5
US-09-383-316-81

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1146 GATCAAACAGCGACTGT 1162
              |||  | ||||||||||
Db          1 GATTCAGCAGCGACTGT 17


RESULT 1751
US-09-167-109-42
; Sequence 42, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda F.
;  APPLICANT: Cowsert, Lex M.
;  APPLICANT: Monia, Brett P.
;  APPLICANT: Xu, Xiaoxing S.
;  TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
;  FILE REFERENCE: ISPH-0321
;  CURRENT APPLICATION NUMBER: US/09/167,109
;  CURRENT FILING DATE: 1998-10-06
;  NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 42
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: antisense sequence
US-09-167-109-42
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  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1671 GTGCTGGGTGAGCTCTT 1687
              | ||||||||| |||| |
Db          1 GGGCTGGGTGTGCTCCT 17


RESULT 1752
US-09-345-882-140/c
; Sequence 140, Application US/09345882
; Patent No. 6399373
; GENERAL INFORMATION:
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBP-7)
;  TITLE OF INVENTION:  AND POLYMORPHIC MARKERS ASSOCIATED WITH SAID NUCLEIC ACID.
;  FILE REFERENCE: GENSET.031A
;  CURRENT APPLICATION NUMBER: US/09/345,882
;  CURRENT FILING DATE:  1999-06-30
;  PRIOR APPLICATION NUMBER: US 60/091,315
;  PRIOR FILING DATE: 1998-06-30
;  PRIOR APPLICATION NUMBER: US 60/111,909
;  PRIOR FILING DATE: 1998-12-10
;  NUMBER OF SEQ ID NOS: 140
;  SOFTWARE: Patent.pm
; SEQ ID NO 140
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_binding
;   LOCATION: 1..18
;   OTHER INFORMATION: sequencing oligonucleotide PrimerRP
US-09-345-882-140

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        639 GGTCATGACTGTGTCCT 655
              ||||||  |||| ||||
Db         18 GGTCATAGCTGTTTCCT 2


RESULT 1753
US-08-697-766A-13
; Sequence 13, Application US/08697766A
; Patent No. 6399760
;  GENERAL INFORMATION:
;    APPLICANT:  Gimeno, Carlos; Kleyn, Patrick; and Moore, Karen J.
;    TITLE OF INVENTION:  RP Compositions and Therapeutic and
;    TITLE OF INVENTION:  Diagnostic Uses Therefor
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  LAHIVE & COCKFIELD, LLP
;      STREET:  28 State Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/697,766A
;      FILING DATE:  29-AUG-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Silveri, Jean M.
;      REGISTRATION NUMBER:  39,030
;      REFERENCE/DOCKET NUMBER:  MNI-007
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617)227-7400
;      TELEFAX:  (617)227-5941
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-697-766A-13

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        984 CGTTGCCCGGTGCAGGA 1000
              |||  || |||||||||
Db          2 CGTGTCCAGGTGCAGGA 18


RESULT 1754
US-09-195-716-3/c
; Sequence 3, Application US/09195716
; Patent No. 6399856
;  GENERAL INFORMATION:
;    APPLICANT:  CIGAN, Andrew M.
;    APPLICANT:  ALBERTSEN, Marc C.
;    TITLE OF INVENTION:  Reversible Nuclear Genetic System For
;    TITLE OF INVENTION:  Male Sterility In Transgenic Plants
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/195,716
;      FILING DATE:  19-NOV-1998
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/819,646
;      FILING DATE:  17-MAR-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/474,556
;      FILING DATE:  07-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/351,899
;      FILING DATE:  08-DEC-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  033229/0660
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
```

US-09-195-716-3

Query Match 0.6%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 8.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Qy        639 GGTCATGACTGTGTCCT 655
              ||||||  |||| ||||
Db         18 GGTCATAGCTGTTTCCT 2
```

RESULT 1755
US-09-387-341-134/c
; Sequence 134, Application US/09387341
; Patent No. 6410323
; GENERAL INFORMATION:
; APPLICANT: Roberts, M. Luisa
; APPLICANT: Cowsert, Lex M.
; TITLE OF INVENTION: Antisense Modulation of Human Rho Family Gene
; TITLE OF INVENTION: Expression
; FILE REFERENCE: ISPH-0404
; CURRENT APPLICATION NUMBER: US/09/387,341
; CURRENT FILING DATE: 1999-08-31
; EARLIER APPLICATION NUMBER: 09/156,424
; EARLIER FILING DATE: 1998-09-18
; EARLIER APPLICATION NUMBER: 09/156,979
; EARLIER FILING DATE: 1998-09-18
; EARLIER APPLICATION NUMBER: 09/156,807
; EARLIER FILING DATE: 1998-09-18
; EARLIER APPLICATION NUMBER: 09/161,015
; EARLIER FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 233
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 134
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Synthetic
US-09-387-341-134

Query Match 0.6%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 8.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1215 TCCTGAGGACGCCATCC 1231
              |||||||| | |||| |
Db         17 TCCTGAGGGCTCCATAC 1
```

RESULT 1756
US-09-387-341-152/c
; Sequence 152, Application US/09387341
; Patent No. 6410323
; GENERAL INFORMATION:
; APPLICANT: Roberts, M. Luisa
; APPLICANT: Cowsert, Lex M.
; TITLE OF INVENTION: Antisense Modulation of Human Rho Family Gene
; TITLE OF INVENTION: Expression
; FILE REFERENCE: ISPH-0404
; CURRENT APPLICATION NUMBER: US/09/387,341
; CURRENT FILING DATE: 1999-08-31
; EARLIER APPLICATION NUMBER: 09/156,424
; EARLIER FILING DATE: 1998-09-18
; EARLIER APPLICATION NUMBER: 09/156,979
; EARLIER FILING DATE: 1998-09-18
; EARLIER APPLICATION NUMBER: 09/156,807
; EARLIER FILING DATE: 1998-09-18
; EARLIER APPLICATION NUMBER: 09/161,015
; EARLIER FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 233
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 152
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Synthetic
US-09-387-341-152

Query Match 0.6%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 8.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Qy       1478 CCAAAGGGGTCAAGGAG 1494
              ||| ||||||| || ||
Db         18 CCAGAGGGGTCCAGAAG 2
```

RESULT 1757
US-09-189-028-28
; Sequence 28, Application US/09189028
; Patent No. 6423524
; GENERAL INFORMATION:
; APPLICANT: Rasmussen, Grethe
; APPLICANT: Mikkelsen, Jan Moller
; APPLICANT: Schulein, Martin
; APPLICANT: Patkar, Shankant A.
; APPLICANT: Hagen, Fred
; TITLE OF INVENTION: A Cellulase Preparation Comprising an
; TITLE OF INVENTION: Endoglucanase Enzyme
; NUMBER OF SEQUENCES: 33
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 6423524o No. 6423524disk of No. 6423524th America, Inc.
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/189,028
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/389,423
; FILING DATE: 14-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Lambiris, Elias J.
; REGISTRATION NUMBER: 33,728
; REFERENCE/DOCKET NUMBER: 3469.214-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-189-028-28

Query Match 0.6%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 8.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Qy       1074 TGGACCAGATTTCAAGC 1090
              || || | |||||||||
Db          2 TGCACAATATTTCAAGC 18
```

```
RESULT 1758
US-09-402-631A-40/c
; Sequence 40, Application US/09402631A
; Patent No. 6432672
; GENERAL INFORMATION:
;  APPLICANT:  Gist-Brocades B. V.
;  APPLICANT:  Selten, Gerardus
;  APPLICANT:  Swinkels, Bart
;  APPLICANT:  Bovenberg, Roelof
;  TITLE OF INVENTION:  Gene Conversion as a Tool for the Construction of Recombinant I
;  TITLE OF INVENTION:  Organisms
;  FILE REFERENCE:  99,757
;  CURRENT APPLICATION NUMBER: US/09/402,631A
;  CURRENT FILING DATE:  2000-01-24
;  PRIOR APPLICATION NUMBER:  PCT/EP98/02070
;  PRIOR FILING DATE:  1998-04-09
;  PRIOR APPLICATION NUMBER:  EP 97201091.2
;  PRIOR FILING DATE:  1997-04-11
;  NUMBER OF SEQ ID NOS:  52
;  SOFTWARE:  PatentIn version 3.0
; SEQ ID NO 40
;  LENGTH: 18
;  TYPE: DNA
;  ORGANISM: Artificial
;  FEATURE:
;  OTHER INFORMATION: oligonucleotide
;  NAME/KEY: misc_feature
;  OTHER INFORMATION: PCR primer
US-09-402-631A-40

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        471 TGGGGGCCTGCACCATG 487
              ||||||||||| | | |
Db         17 TGGGGGCCTGCGCAAAG 1


RESULT 1759
US-08-764-114-208/c
; Sequence 208, Application US/08764114
; Patent No. 6440407
;  GENERAL INFORMATION:
;    APPLICANT:  Abrams, Mark A.
;    APPLICANT:  Bauer, S. C.
;    APPLICANT:  Braford-Goldberg, Sarah R.
;    APPLICANT:  Caparon, Maire H.
;    APPLICANT:  Easton, Alan M.
;    APPLICANT:  Klein, Barbara K.
;    APPLICANT:  McKearn, John P.
;    APPLICANT:  Olins, Peter O.
;    APPLICANT:  Paik, Kumnan
;    APPLICANT:  Thomas, John W.
;    TITLE OF INVENTION:  Methods of Ex-vivo Expansion of
;    TITLE OF INVENTION:  Hematopoietic Cells Using Interleukin-3 (IL-3) Multiple
;    TITLE OF INVENTION:  Mutation Polypeptides
;    NUMBER OF SEQUENCES:  415
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dennis A. Bennett, G.D. Searle & Co.,
;      ADDRESSEE:  Corporate Patent Dept.
;      STREET:  P. O. Box 5110
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60680
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/764,114
;      FILING DATE:  09-DEC-1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/981,044
;      FILING DATE:  24-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/11197
;      FILING DATE:  22-NOV-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/411,795
;      FILING DATE:  04-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bennett, Dennis A.
;      REGISTRATION NUMBER:  34,547
;      REFERENCE/DOCKET NUMBER:  C2713/10
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (708)470-6501
;      TELEFAX:  (708)470-6881
;  INFORMATION FOR SEQ ID NO:  208:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (synthetic)
US-08-764-114-208

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1250 AGGACGAAGACGACCCT 1266
              | |||||||||| | ||
Db         17 ATGACGAAGACGTCTCT 1


RESULT 1760
US-09-270-956-33/c
; Sequence 33, Application US/09270956
; Patent No. 6451571
;  GENERAL INFORMATION:
;    APPLICANT:  Loeb, Lawrence A.
;    APPLICANT:  Black, Margaret E.
;    TITLE OF INVENTION:  THYMIDINE KINASE MUTANTS
;    NUMBER OF SEQUENCES:  104
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SEED and BERRY LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/270,956
;      FILING DATE:  17-MAR-1999
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  240052.409C3
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;      TELEX:  3723836
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
```

```
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-270-956-33

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        639 GGTCATGACTGTGTCCT 655
              ||||||  |||| ||||
Db         18 GGTCATAGCTGTTTCCT 2


RESULT 1761
US-09-502-558-40/c
; Sequence 40, Application US/09502558
; Patent No. 6453244
; GENERAL INFORMATION:
;  APPLICANT: Peter J. Oefner
;  TITLE OF INVENTION: DETECTION OF POLYMORPHISMS BY DENATURING
;  TITLE OF INVENTION: HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY
;  FILE REFERENCE: Sun-174P
;  CURRENT APPLICATION NUMBER: US/09/502,558
;  CURRENT FILING DATE: 2000-02-10
;  NUMBER OF SEQ ID NOS: 40
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 40
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic oligonucleotide
US-09-502-558-40

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        639 GGTCATGACTGTGTCCT 655
              ||||||  |||| ||||
Db         18 GGTCATAGCTGTTTCCT 2


RESULT 1762
US-09-750-580-6/c
; Sequence 6, Application US/09750580
; Patent No. 6455280
; GENERAL INFORMATION:
;  APPLICANT:  Yen, Frances
;  APPLICANT:  Denison, Blake
;  APPLICANT:  Bour, Barbara
;  APPLICANT:  Bihain, Bernard
;  APPLICANT:  Dumas Milne Edwards, Jean-Baptiste
;  APPLICANT:  Duclert, Aymeric
;  APPLICANT:  Bougueleret, Lydie
;  APPLICANT:  Ebbets-Reed, Dana
;  APPLICANT:  Salter-Cid, Luisa
;  TITLE OF INVENTION:  METHODS AND COMPOSITIONS FOR INHIBITING NEOPLASTIC CELL GROWTH
;  FILE REFERENCE:  89.US2.CIP
;  CURRENT APPLICATION NUMBER: US/09/750,580
;  CURRENT FILING DATE:  2000-12-28
;  PRIOR APPLICATION NUMBER:  US 09/599,362
;  PRIOR FILING DATE:  2000-06-21
;  PRIOR APPLICATION NUMBER:  PCT/IB00/0101
;  PRIOR FILING DATE:  2000-06-21
;  PRIOR APPLICATION NUMBER:  PCT/IB99/02058
;  PRIOR FILING DATE:  1999-12-20
;  PRIOR APPLICATION NUMBER:  US 49/469/099
;  PRIOR FILING DATE:  1999-12-21
;  PRIOR APPLICATION NUMBER:  US 60/113,686
;  PRIOR FILING DATE:  1998-12-22
;  PRIOR APPLICATION NUMBER:  US 60/141,032
;  PRIOR FILING DATE:  1999-06-25
;  NUMBER OF SEQ ID NOS:  6
;  SOFTWARE:  Patent.pm
; SEQ ID NO 6
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: sequencing oligonucleotide PrimerRP
US-09-750-580-6

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        639 GGTCATGACTGTGTCCT 655
              ||||||  |||| ||||
Db         18 GGTCATAGCTGTTTCCT 2


RESULT 1763
US-09-091-952A-146/c
; Sequence 146, Application US/09091952A
; Patent No. 6458532
;   GENERAL INFORMATION:
;        APPLICANT: Detera-Wadleigh, Sevilla D.
;                   Gershon, Elliot S.
;                   Badner, Judith A.
;                   Goldin, Lynn R.
;                   Berrettini, Wade H.
;                   Yoshikawa, Takeo
;                   Sanders, Alan R.
;                   Esterling, Lisa E.
;        TITLE OF INVENTION: Chromosomal Markers and Diagnostic
;                            Tests for Manic-Depressive Illness
;        NUMBER OF SEQUENCES: 197
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend and Crew LLP
;             STREET: Two Embarcadero Center, Eighth Floor
;             CITY: San Francisco
;             STATE: CA
;             COUNTRY: USA
;             ZIP: 94111-3834
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Diskette
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: DOS
;             SOFTWARE: FastSEQ for Windows Version 2.0
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/091,952A
;             FILING DATE: 19-Apr-1999
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 60/029,278
;             FILING DATE: 28-OCT-1996
;             APPLICATION NUMBER: PCT/US97/19381
;             FILING DATE: 28-OCT-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Smith, Timothy L.
;             REGISTRATION NUMBER: 35,367
;             REFERENCE/DOCKET NUMBER: 015280-297100US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;             TELEX: <Unknown>
;   INFORMATION FOR SEQ ID NO: 146:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 18 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        FEATURE:
;             NAME/KEY:  -
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;             LOCATION:  1...18
;             OTHER INFORMATION:  Clone 19 forward primer
;        SEQUENCE DESCRIPTION: SEQ ID NO: 146:
US-09-091-952A-146

  Query Match              0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        329 AGCAGATGCAGAGATTC 345
              |||| | |||||||||
Db         18 AGCAAGTACAGAGATTC 2


RESULT 1764
US-09-261-115-9
; Sequence 9, Application US/09261115
; Patent No. 6458584
; GENERAL INFORMATION:
;  APPLICANT: MIRZABEKOV, ANDREI
;  APPLICANT:  GUSCHIN, DMITRY Y.
;  APPLICANT:  SHIK, VALENTINE
;  APPLICANT:  DROBYSHEV, ALEKSEI
;  APPLICANT:  FOTIN, ALEXANDER
;  APPLICANT:  YERSHOV, GENNADIY
;  APPLICANT:  LYSOV, YU
;  TITLE OF INVENTION: CUSTOMIZED OLIGONUCLEOTIDE MICROCHIPS THAT CONVERT
;  TITLE OF INVENTION:  MULTIPLE GENETIC INFORMATION TO SIMPLE PATTERNS, ARE
;  TITLE OF INVENTION:  PORTABLE AND REUSABLE
;  FILE REFERENCE: 21416/90184
;  CURRENT APPLICATION NUMBER: US/09/261,115
;  CURRENT FILING DATE:  1999-03-03
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Customized
;   OTHER INFORMATION: oligonucleotide
US-09-261-115-9

  Query Match              0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1874 GATCTCCTGTTTTTTTC 1890
              |||| |||| |||| ||
Db          2 GATCCCCTGCTTTTCTC 18


RESULT 1765
US-08-469-419-208/c
; Sequence 208, Application US/08469419
; Patent No. 6458931
;  GENERAL INFORMATION:
;       APPLICANT: Abrams, Mark A.
;                  Bauer, S. C.
;                  Braford-Goldberg, Sarah R.
;                  Caparon, Maire H.
;                  Easton, Alan M.
;                  Klein, Barbara K.
;                  McKearn, John P.
;                  Olins, Peter O.
;                  Paik, Kumnan
;                  Thomas, John W.
;       TITLE OF INVENTION: Interleukin-3 (IL-3) Multiple Mutation
;                           Polypeptides
;       NUMBER OF SEQUENCES: 415
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Dennis A. Bennett, G.D. Searle & Co.,
;                       Corporate Patent Dept.
;            STREET: P. O. Box 5110
;            CITY: Chicago
;            STATE: Illinois
;            COUNTRY: USA
;            ZIP: 60680
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.25
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/08/469,419
;            FILING DATE: 06-Jun-1995
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/411,795
;            FILING DATE: <Unknown>
;            APPLICATION NUMBER: PCT/US93/11197
;            FILING DATE: 22-NOV-1993
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Bennett, Dennis A.
;            REGISTRATION NUMBER: 34,547
;            REFERENCE/DOCKET NUMBER: C2713/2
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (708)470-6501
;            TELEFAX: (708)470-6881
;  INFORMATION FOR SEQ ID NO: 208:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 18 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA (synthetic)
;       SEQUENCE DESCRIPTION: SEQ ID NO: 208:
US-08-469-419-208

  Query Match              0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1250 AGGACGAAGACGACCCT 1266
              | |||||||||| | ||
Db         17 ATGACGAAGACGTCTCT 1


RESULT 1766
US-09-528-706-17
; Sequence 17, Application US/09528706
; Patent No. 6468985
;  GENERAL INFORMATION:
;    APPLICANT:  Huang, Shi
;    TITLE OF INVENTION:  Retinoblastoma Protein - Interacting
;    TITLE OF INVENTION:  Zinc Finger Proteins
;    NUMBER OF SEQUENCES:  106
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Campbell & Flores LLP
;      STREET:  4370 La Jolla Village Drive, Suite 700
;      CITY:  San Diego
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  92122
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/528,706
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/516,859
;      FILING DATE:
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;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/292,683
;       FILING DATE:  18-AUG-1994
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Campbell, Cathryn A.
;       REGISTRATION NUMBER:  31,815
;       REFERENCE/DOCKET NUMBER:  P-LJ 1776
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (619) 535-9001
;       TELEFAX:  (619) 535-8949
;   INFORMATION FOR SEQ ID NO:  17:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  18 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-09-528-706-17

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1958 GTGAGCCAAGAAACACT 1974
                ||| |||||||||| |
Db          1 GTGGTCCAAGAAACATT 17


RESULT 1767
US-09-807-166-5/c
; Sequence 5, Application US/09807166
; Patent No. 6472517
; GENERAL INFORMATION:
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: Nucleic acids encoding human CIDE-B protein and polymorphic marke
;  TITLE OF INVENTION:  thereof.
;  FILE REFERENCE:
;  CURRENT APPLICATION NUMBER: US/09/807,166
;  CURRENT FILING DATE:  2001-04-09
;  PRIOR APPLICATION NUMBER: US 60/103,729
;  PRIOR FILING DATE: 1998-10-09
;  NUMBER OF SEQ ID NOS: 5
;  SOFTWARE: Patent.pm
; SEQ ID NO 5
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: sequencing oligonucleotide PrimerRP
JS-09-807-166-5

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        639 GGTCATGACTGTGTCCT 655
                ||||||  |||| ||||
Db         18 GGTCATAGCTGTTTCCT 2


RESULT 1768
US-09-539-333D-231/c
; Sequence 231, Application US/09539333D
; Patent No. 6476208
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  APPLICANT:  Bougueleret, Lydie
;  APPLICANT:  Bihain, Bernard
;  APPLICANT:  Essioux, Laurent
;  TITLE OF INVENTION: SCHIZOPHRENIA ASSOCIATED GENES, PROTEINS AND BIALLELIC MARKERS
;  FILE REFERENCE: GENSET.047AUS
;  CURRENT APPLICATION NUMBER: US/09/539,333D
;  CURRENT FILING DATE:  2000-03-30
;  PRIOR APPLICATION NUMBER: US 60/126,903
;  PRIOR FILING DATE: 1999-03-30
;  PRIOR APPLICATION NUMBER: US 60/131,971
;  PRIOR FILING DATE: 1999-04-30
;  PRIOR APPLICATION NUMBER: US 60/132,065
;  PRIOR FILING DATE: 1999-04-30
;  PRIOR APPLICATION NUMBER: US 60/143,928
;  PRIOR FILING DATE: 1999-07-14
;  PRIOR APPLICATION NUMBER: US 60/145,915
;  PRIOR FILING DATE: 1999-07-27
;  PRIOR APPLICATION NUMBER: US 60/146,453
;  PRIOR FILING DATE: 1999-07-29
;  PRIOR APPLICATION NUMBER: US 60/146,452
;  PRIOR FILING DATE: 1999-07-29
;  PRIOR APPLICATION NUMBER: US 60/162,288
;  PRIOR FILING DATE: 1999-10-28
;  PRIOR APPLICATION NUMBER: US 09/416,384
;  PRIOR FILING DATE: 1999-10-12
;  NUMBER OF SEQ ID NOS: 231
;  SOFTWARE: Patent.pm
; SEQ ID NO 231
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: sequencing oligonucleotide PrimerRP
US-09-539-333D-231

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        639 GGTCATGACTGTGTCCT 655
                ||||||  |||| ||||
Db         18 GGTCATAGCTGTTTCCT 2


RESULT 1769
US-09-126-851C-1
; Sequence 1, Application US/09126851C
; Patent No. 6476215
; GENERAL INFORMATION:
;  APPLICANT: Okamoto, Tadashi
;  APPLICANT:  Yamamoto, No. 6476215uko
;  APPLICANT:  Suzuki, Tomohiro
;  TITLE OF INVENTION: Method of Spotting Probe on Solid Support, Probe Array
;  TITLE OF INVENTION:  and Method of Manufacturing Thereof, and Method of
;  TITLE OF INVENTION:  Detecting Target Substance and Method of Identifying
;  TITLE OF INVENTION:  Structure of Target Substance Using Probe Array
;  FILE REFERENCE: 35.C12883
;  CURRENT APPLICATION NUMBER: US/09/126,851C
;  CURRENT FILING DATE:  2001-08-30
;  PRIOR APPLICATION NUMBER: JP 09-207837
;  PRIOR FILING DATE: 1997-08-01
;  PRIOR APPLICATION NUMBER: JP 09-287046
;  PRIOR FILING DATE: 1997-10-20
;  PRIOR APPLICATION NUMBER: JP 10-209923
;  PRIOR FILING DATE: 1998-07-24
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: WordPerfect 8.0
; SEQ ID NO 1
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: modified_base
;   LOCATION: 1
;   OTHER INFORMATION: Thiol group bound at the 5'-terminus
US-09-126-851C-1

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
```

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 780 CATTTTCAAGCCGGTCA 796
|||||| ||||||||
Db 2 CATTTTGCTGCCGGTCA 18

RESULT 1770
US-09-126-851C-2
; Sequence 2, Application US/09126851C
; Patent No. 6476215
; GENERAL INFORMATION:
; APPLICANT: Okamoto, Tadashi
; APPLICANT: Yamamoto, No. 6476215uko
; APPLICANT: Suzuki, Tomohiro
; TITLE OF INVENTION: Method of Spotting Probe on Solid Support, Probe Array
; TITLE OF INVENTION: and Method of Manufacturing Thereof, and Method of
; TITLE OF INVENTION: Detecting Target Substance and Method of Identifying
; TITLE OF INVENTION: Structure of Target Substance Using Probe Array
; FILE REFERENCE: 35.C12883
; CURRENT APPLICATION NUMBER: US/09/126,851C
; CURRENT FILING DATE: 2001-08-30
; PRIOR APPLICATION NUMBER: JP 09-207837
; PRIOR FILING DATE: 1997-08-01
; PRIOR APPLICATION NUMBER: JP 09-287046
; PRIOR FILING DATE: 1997-10-20
; PRIOR APPLICATION NUMBER: JP 10-209923
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: WordPerfect 8.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: 1
; OTHER INFORMATION: Thiol group bound at the 5'-terminus
US-09-126-851C-2

Query Match 0.6%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 8.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 780 CATTTTCAAGCCGGTCA 796
|||||| ||||||||
Db 2 CATTTTGTTGCCGGTCA 18

RESULT 1771
US-09-126-851C-9/c
; Sequence 9, Application US/09126851C
; Patent No. 6476215
; GENERAL INFORMATION:
; APPLICANT: Okamoto, Tadashi
; APPLICANT: Yamamoto, No. 6476215uko
; APPLICANT: Suzuki, Tomohiro
; TITLE OF INVENTION: Method of Spotting Probe on Solid Support, Probe Array
; TITLE OF INVENTION: and Method of Manufacturing Thereof, and Method of
; TITLE OF INVENTION: Detecting Target Substance and Method of Identifying
; TITLE OF INVENTION: Structure of Target Substance Using Probe Array
; FILE REFERENCE: 35.C12883
; CURRENT APPLICATION NUMBER: US/09/126,851C
; CURRENT FILING DATE: 2001-08-30
; PRIOR APPLICATION NUMBER: JP 09-207837
; PRIOR FILING DATE: 1997-08-01
; PRIOR APPLICATION NUMBER: JP 09-287046
; PRIOR FILING DATE: 1997-10-20
; PRIOR APPLICATION NUMBER: JP 10-209923
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: WordPerfect 8.0
; SEQ ID NO 9
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: 1
; OTHER INFORMATION: Amino group bound at the 5'-terminus
US-09-126-851C-9

Query Match 0.6%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 8.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 780 CATTTTCAAGCCGGTCA 796
|||||| ||||||||
Db 17 CATTTTGCTGCCGGTCA 1

RESULT 1772
US-09-126-851C-10/c
; Sequence 10, Application US/09126851C
; Patent No. 6476215
; GENERAL INFORMATION:
; APPLICANT: Okamoto, Tadashi
; APPLICANT: Yamamoto, No. 6476215uko
; APPLICANT: Suzuki, Tomohiro
; TITLE OF INVENTION: Method of Spotting Probe on Solid Support, Probe Array
; TITLE OF INVENTION: and Method of Manufacturing Thereof, and Method of
; TITLE OF INVENTION: Detecting Target Substance and Method of Identifying
; TITLE OF INVENTION: Structure of Target Substance Using Probe Array
; FILE REFERENCE: 35.C12883
; CURRENT APPLICATION NUMBER: US/09/126,851C
; CURRENT FILING DATE: 2001-08-30
; PRIOR APPLICATION NUMBER: JP 09-207837
; PRIOR FILING DATE: 1997-08-01
; PRIOR APPLICATION NUMBER: JP 09-287046
; PRIOR FILING DATE: 1997-10-20
; PRIOR APPLICATION NUMBER: JP 10-209923
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: WordPerfect 8.0
; SEQ ID NO 10
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: 1
; OTHER INFORMATION: Amino group bound at the 5'-terminus
US-09-126-851C-10

Query Match 0.6%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 8.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 780 CATTTTCAAGCCGGTCA 796
|||||| ||||||||
Db 17 CATTTTGGTGCCGGTCA 1

RESULT 1773
US-09-126-851C-13/c
; Sequence 13, Application US/09126851C
; Patent No. 6476215
; GENERAL INFORMATION:
; APPLICANT: Okamoto, Tadashi
; APPLICANT: Yamamoto, No. 6476215uko
; APPLICANT: Suzuki, Tomohiro
; TITLE OF INVENTION: Method of Spotting Probe on Solid Support, Probe Array
; TITLE OF INVENTION: and Method of Manufacturing Thereof, and Method of
; TITLE OF INVENTION: Detecting Target Substance and Method of Identifying
; TITLE OF INVENTION: Structure of Target Substance Using Probe Array
; FILE REFERENCE: 35.C12883

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;  CURRENT APPLICATION NUMBER: US/09/126,851C
;  CURRENT FILING DATE:  2001-08-30
;  PRIOR APPLICATION NUMBER: JP 09-207837
;  PRIOR FILING DATE: 1997-08-01
;  PRIOR APPLICATION NUMBER: JP 09-287046
;  PRIOR FILING DATE: 1997-10-20
;  PRIOR APPLICATION NUMBER: JP 10-209923
;  PRIOR FILING DATE: 1998-07-24
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: WordPerfect 8.0
; SEQ ID NO 13
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: modified_base
;   LOCATION: 1
;   OTHER INFORMATION: Thiol group bound at the 5'-terminus
US-09-126-851C-13

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        780 CATTTTCAAGCCGGTCA 796
              ||||||   ||||||||
Db         17 CATTTTGGTGCCGGTCA 1


RESULT 1774
US-09-499-522-20/c
; Sequence 20, Application US/09499522
; Patent No. 6479238
; GENERAL INFORMATION:
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Bougueleret, Lydie
;  APPLICANT: Bihain, Bernard
;  TITLE OF INVENTION: POLYMORPHIC MARKERS OF THE LSR GENE
;  FILE REFERENCE: GENSET.053AUS
;  CURRENT APPLICATION NUMBER: US/09/499,522
;  CURRENT FILING DATE: 2000-02-10
;  EARLIER APPLICATION NUMBER: US 60/119,592
;  EARLIER FILING DATE: 1999-02-10
;  EARLIER APPLICATION NUMBER: US 60/144,784
;  EARLIER FILING DATE: 1999-07-20
;  NUMBER OF SEQ ID NOS: 20
;  SOFTWARE: Patent.pm
; SEQ ID NO 20
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: sequencing oligonucleotide PrimerRP
US-09-499-522-20

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        639 GGTCATGACTGTGTCCT 655
              ||||||  |||| ||||
Db         18 GGTCATAGCTGTTTCCT 2


RESULT 1775
US-09-506-286B-28/c
; Sequence 28, Application US/09506286B
; Patent No. 6482414
; GENERAL INFORMATION:
;  APPLICANT: Dowling, Patricia W.
;  APPLICANT:  Youngner, Julius S.
;  APPLICANT:  The University of Pittsburgh, of the Commonwealth
;  TITLE OF INVENTION: COLD-ADAPTED EQUINE INFLUENZA VIRUSES
;  FILE REFERENCE: EQ-1-C2
;  CURRENT APPLICATION NUMBER: US/09/506,286B
;  CURRENT FILING DATE:  2000-02-16
;  PRIOR APPLICATION NUMBER: 09/133,921
;  PRIOR FILING DATE: 1998-08-13
;  PRIOR APPLICATION NUMBER: PCT/US99/18583
;  PRIOR FILING DATE: 1999-08-12
;  NUMBER OF SEQ ID NOS: 108
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 28
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Synthetic
;   OTHER INFORMATION: Primer
US-09-506-286B-28

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        639 GGTCATGACTGTGTCCT 655
              ||||||  |||| ||||
Db         18 GGTCATAGCTGTTTCCT 2


RESULT 1776
US-09-725-265-20/c
; Sequence 20, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOI
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DA?
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-20

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1576 TTTATATTTTCTATTTC 1592
              | ||||||| | ||||
Db         17 TATATATTTTTTTTTTC 1


RESULT 1777
US-09-555-313B-16/c
; Sequence 16, Application US/09555313B
; Patent No. 6506580
; GENERAL INFORMATION:
```

```
;  APPLICANT: FICSHMEISTER, Rudolph et al.
;  TITLE OF INVENTION: Splicing variants of the human serotoninergic receptor
;  TITLE OF INVENTION:  5-HT4 and uses thereof, in particular for screening
;  FILE REFERENCE: P06762US00/BAS
;  CURRENT APPLICATION NUMBER: US/09/555,313B
;  CURRENT FILING DATE:  2002-08-13
;  PRIOR APPLICATION NUMBER: FR 97/15037
;  PRIOR FILING DATE: 1997-11-28
;  NUMBER OF SEQ ID NOS: 24
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-09-555-313B-16

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1411 GAGAAAGACCCAGAGGA 1427
                || || |||||||| ||
Db         18 GACAATGACCCAGAAGA 2


RESULT 1778
US-09-216-393B-346/c
; Sequence 346, Application US/09216393B
; Patent No. 6514694
; GENERAL INFORMATION:
;  APPLICANT: Milhausen, Michael James
;  TITLE OF INVENTION: TOXOPLASMA GONDII PROTEINS, NUCLEIC ACID MOLECULES, AND USES THER
;  FILE REFERENCE: TX-1-C2
;  CURRENT APPLICATION NUMBER: US/09/216,393B
;  CURRENT FILING DATE:  1998-12-18
;  PRIOR APPLICATION NUMBER: 08/994,825
;  PRIOR FILING DATE: 1997-12-19
;  NUMBER OF SEQ ID NOS: 366
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 346
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Primer
US-09-216-393B-346

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        639 GGTCATGACTGTGTCCT 655
              |||||| |||| ||||
Db         18 GGTCATAGCTGTTTCCT 2


RESULT 1779
US-07-868-539C-1/c
; Sequence 1, Application US/07868539C
; Patent No. 6521601
; GENERAL INFORMATION:
;  APPLICANT: Carman, Mark
;  TITLE OF INVENTION: METHODS AND COMPOSITION FOR INHIBITION OF VIRAL REPLICATION
;  FILE REFERENCE: 10624-089-999
;  CURRENT APPLICATION NUMBER: US/07/868,539C
;  CURRENT FILING DATE:  1992-04-14
;  NUMBER OF SEQ ID NOS: 20
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: herpes simplex virus
US-07-868-539C-1

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1246 GATGAGGACGAAGACGA 1262
                || || ||||| |||||
Db         18 GACGATGACGATGACGA 2


RESULT 1780
US-07-868-539C-2
; Sequence 2, Application US/07868539C
; Patent No. 6521601
; GENERAL INFORMATION:
;  APPLICANT: Carman, Mark
;  TITLE OF INVENTION: METHODS AND COMPOSITION FOR INHIBITION OF VIRAL REPLICATION
;  FILE REFERENCE: 10624-089-999
;  CURRENT APPLICATION NUMBER: US/07/868,539C
;  CURRENT FILING DATE:  1992-04-14
;  NUMBER OF SEQ ID NOS: 20
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: herpes simplex virus
US-07-868-539C-2

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1246 GATGAGGACGAAGACGA 1262
                || || ||||| |||||
Db          1 GACGATGACGATGACGA 17


RESULT 1781
US-09-671-317-493/c
; Sequence 493, Application US/09671317
; Patent No. 6528260
; GENERAL INFORMATION:
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  APPLICANT:  Bougueleret, Lydie
;  APPLICANT:  Cohen, Annick
;  TITLE OF INVENTION:  BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
;  FILE REFERENCE:  62.US3.CIP
;  CURRENT APPLICATION NUMBER: US/09/671,317
;  CURRENT FILING DATE:  2000-09-27
;  PRIOR APPLICATION NUMBER:  US 09/536,178
;  PRIOR FILING DATE:  2000-03-23
;  PRIOR APPLICATION NUMBER:  PCT/IB00/00403
;  PRIOR FILING DATE:  2000-03-24
;  PRIOR APPLICATION NUMBER:  US 60/126,269
;  PRIOR FILING DATE:  1999-03-25
;  PRIOR APPLICATION NUMBER:  US 60/131,961
;  PRIOR FILING DATE:  1999-04-30
;  NUMBER OF SEQ ID NOS:  977
;  SOFTWARE:  Patent.pm
; SEQ ID NO 493
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: sequencing oligonucleotide PrimerRP
US-09-671-317-493

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;
```

```
Qy        639 GGTCATGACTGTGTCCT 655
              ||||||  |||| ||||
Db         18 GGTCATAGCTGTTTCCT 2
```

RESULT 1782
US-09-292-542A-15/c
; Sequence 15, Application US/09292542A
; Patent No. 6531279
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; APPLICANT: Bougueleret, Lydie
; TITLE OF INVENTION: Genomic Sequence Of The 5-Lipoxygenase-Activating Protein (FLAP)
; Patent No. 6531279
; TITLE OF INVENTION: Polymorphic Markers Thereof And Methods For Detection Of Asthma.
; FILE REFERENCE: GENSET.026A
; CURRENT FILING DATE: 1999-04-15
; CURRENT APPLICATION NUMBER: US/09/292,542A
; PRIOR APPLICATION NUMBER: US 60/081893
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: US 60/091314
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/123406
; PRIOR FILING DATE: 1999-03-08
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patent.pm
; SEQ ID NO 15
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: sequencing oligonucleotide PrimerRP
US-09-292-542A-15

Query Match 0.6%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 8.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy        639 GGTCATGACTGTGTCCT 655
              ||||||  |||| ||||
Db         18 GGTCATAGCTGTTTCCT 2
```

RESULT 1783
US-09-290-000-13
; Sequence 13, Application US/09290000
; Patent No. 6531302
; GENERAL INFORMATION:
; APPLICANT: Nerenberg, Michael I.
; APPLICANT: Westin, Lorelei P.
; APPLICANT: Landis, Geoffrey C.
; APPLICANT: Feng, Lana L.
; APPLICANT: Edman, Carl F.
; TITLE OF INVENTION: ANCHORED STRAND DISPLACEMENT AMPLIFICATION
; TITLE OF INVENTION: ON AN ELECTRONICALLY ADDRESSABLE MICROCHIP
; FILE REFERENCE: 238/065
; CURRENT APPLICATION NUMBER: US/09/290,000
; CURRENT FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 13
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Salmonella typhimurium
US-09-290-000-13

Query Match 0.6%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 8.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1522 TCCAGCTCTGGCTTCCT 1538
                ||||  |||||| ||| |
Db          1 TCCATCTCTGGATTCTT 17
```

RESULT 1784
US-09-394-455-16
; Sequence 16, Application US/09394455
; Patent No. 6531305
; GENERAL INFORMATION:
; APPLICANT: Witman, George F.
; APPLICANT: San Agustin, Jovenal
; APPLICANT: Leszyk, John D.
; TITLE OF INVENTION: SPERM ASSOCIATED PROTEIN KINASE POLYPEPTIDES, CORRESPONDING
; TITLE OF INVENTION: NUCLEIC ACIDS, AND METHODS OF USE
; FILE REFERENCE: 07917/078001
; CURRENT APPLICATION NUMBER: US/09/394,455
; CURRENT FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: US 60/099,771
; PRIOR FILING DATE: 1998-09-10
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Ovine
US-09-394-455-16

Query Match 0.6%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 8.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       2006 GCAGGTGGAGGTTGCTA 2022
              | |||| | ||||||||
Db          2 GAAGGTTGGGGTTGCTA 18
```

RESULT 1785
US-09-394-455-17
; Sequence 17, Application US/09394455
; Patent No. 6531305
; GENERAL INFORMATION:
; APPLICANT: Witman, George F.
; APPLICANT: San Agustin, Jovenal
; APPLICANT: Leszyk, John D.
; TITLE OF INVENTION: SPERM ASSOCIATED PROTEIN KINASE POLYPEPTIDES, CORRESPONDING
; TITLE OF INVENTION: NUCLEIC ACIDS, AND METHODS OF USE
; FILE REFERENCE: 07917/078001
; CURRENT APPLICATION NUMBER: US/09/394,455
; CURRENT FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: US 60/099,771
; PRIOR FILING DATE: 1998-09-10
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 17
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Ovine
US-09-394-455-17

Query Match 0.6%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 8.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       2006 GCAGGTGGAGGTTGCTA 2022
              | |||| |||||| |||
Db          2 GAAGGTCGAGGTTACTA 18
```

RESULT 1786
US-09-422-978-3939/c
; Sequence 3939, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:

```
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 3939
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: upstream amplification primer 99-1165 for SEQ 5,
US-09-422-978-3939

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1402 GATGAAAAAGAGAAAGA 1418
              || || | |||||||||
Db         18 GAGGACAGAGAGAAAGA 2


RESULT 1787
US-09-422-978-4694
; Sequence 4694, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 4694
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: upstream amplification primer 99-17095 for SEQ 760,
US-09-422-978-4694

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1118 ACCAGAACACGAATGAG 1134
              | ||||||| ||| |||
Db          2 AACAGAACAGGAAAGAG 18


RESULT 1788
US-09-422-978-4802
; Sequence 4802, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 4802
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: upstream amplification primer 99-17864 for SEQ 868,
US-09-422-978-4802

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1982 CTCTGTCTGTCTTCTCC 1998
              ||||  ||||||| |||
Db          2 CTCTCCCTGTCTTATCC 18


RESULT 1789
US-09-422-978-4840/c
; Sequence 4840, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 4840
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: upstream amplification primer 99-18109 for SEQ 906,
US-09-422-978-4840

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1363 TCTTCCAACTTCAAAAA 1379
              ||||||| || | ||||
Db         17 TCTTCCACCTCCTAAAA 1
```

```
RESULT 1790
US-09-422-978-5094
; Sequence 5094, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 5094
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: upstream amplification primer 99-20802 for SEQ 1160,
US-09-422-978-5094

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        449 CGGACATCGCTGTGAAT 465
              | | |||||||||| |||
Db          1 CTGCCATCGCTGTAAAT 17


RESULT 1791
US-09-422-978-5220/c
; Sequence 5220, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 5220
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: upstream amplification primer 99-22620 for SEQ 1286,
US-09-422-978-5220

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2011 TGGAGGTTGCTAGTCTA 2027
                ||| |||||||| | ||
Db         17 TGGGGGTTGCTATTTTA 1


RESULT 1792
US-09-422-978-5991
; Sequence 5991, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 5991
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: upstream amplification primer 99-828 for SEQ 2057,
US-09-422-978-5991

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2063 GCCTCTTTGTAATAAAA 2079
              |||||||||  || |||
Db          1 GCCTCTTTGCTATGAAA 17


RESULT 1793
US-09-422-978-6085
; Sequence 6085, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 6085
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: upstream amplification primer 99-8827 for SEQ 2151,
US-09-422-978-6085

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
```

```
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1557 CTTCCCCAACCCCTCAG 1573
              ||||||  ||||  ||  ||
Db          2 CTTCCCAAACCTCTTAG 18


RESULT 1794
US-09-422-978-7395/c
; Sequence 7395, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 7395
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: upstream amplification primer 99-4233 for SEQ 3461,
US-09-422-978-7395

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1066 GAATACTTTGGACCAGA 1082
              |||||||  |  ||  ||||
Db         18 GAATACTGTTGAGCAGA 2


RESULT 1795
US-09-422-978-7630/c
; Sequence 7630, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 7630
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: upstream amplification primer 99-9785 for SEQ 3696,
US-09-422-978-7630

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1785 ACAAACTCCTGAAATGC 1801
              |||||||||  ||  ||  |
Db         17 ACAAACTCCCGAGATTC 1


RESULT 1796
US-09-422-978-7650/c
; Sequence 7650, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 7650
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: upstream amplification primer 99-990 for SEQ 3716,
US-09-422-978-7650

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        226 CGCCCTCACAAAGCCAA 242
              |  ||  |||  ||||||||
Db         18 CACCTTCATAAAGCCAA 2


RESULT 1797
US-09-422-978-8626
; Sequence 8626, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 8626
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
```

```
;   LOCATION: 1..18
;   OTHER INFORMATION: downstream amplification primer 99-1710 for SEQ 761, in complemen
US-09-422-978-8626

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1401 GGATGAAAAAGAGAAAG 1417
                | | || ||||||||||
Db          2 GAAGGAGAAAGAGAAAG 18


RESULT 1798
US-09-422-978-11532
; Sequence 11532, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 11532
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: downstream amplification primer 99-9375 for SEQ 3667, in compleme
US-09-422-978-11532

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1385 AGAGAGTCAAAACAGAG 1401
                || ||||| ||| ||||
Db          2 AGTGAGTCCAAAGAGAG 18


RESULT 1799
US-09-536-059-24/c
; Sequence 24, Application US/09536059
; Patent No. 6544737
; GENERAL INFORMATION:
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  APPLICANT:  Bougueleret, Lydie
;  APPLICANT:  Cohen-Akenine, Annick
;  TITLE OF INVENTION:  GENOMIC SEQUENCE OF THE purH GENE AND purH-RELATED BIALLELIC
;  TITLE OF INVENTION:  MARKERS.
;  FILE REFERENCE:  GENSET.058AUS
;  CURRENT APPLICATION NUMBER: US/09/536,059
;  CURRENT FILING DATE:  2000-03-31
;  PRIOR APPLICATION NUMBER:  US 60/125,961
;  PRIOR FILING DATE:  1999-03-24
;  NUMBER OF SEQ ID NOS:  24
;  SOFTWARE:  Patent.pm
; SEQ ID NO 24
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: sequencing oligonucleotide PrimerRP
US-09-536-059-24

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        639 GGTCATGACTGTGTCCT 655
                ||||||  |||| ||||
Db         18 GGTCATAGCTGTTTCCT 2


RESULT 1800
US-09-655-804B-49/c
; Sequence 49, Application US/09655804B
; Patent No. 6548251
; GENERAL INFORMATION:
;  APPLICANT: KOZYAVKIN, Sergei
;  APPLICANT:  MALYKH, Andrei
;  APPLICANT:  POLOUCHINE, Nikolai
;  APPLICANT:  SLESAREV, Alexei
;  TITLE OF INVENTION: INHIBITION OF MOLECULAR AND BIOLOGICAL PROCESSES USING MODIFIED
;  TITLE OF INVENTION:  OLIGONUCLEOTIDES
;  FILE REFERENCE: 107070
;  CURRENT APPLICATION NUMBER: US/09/655,804B
;  CURRENT FILING DATE:  2000-09-05
;  NUMBER OF SEQ ID NOS: 91
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 49
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
US-09-655-804B-49

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        639 GGTCATGACTGTGTCCT 655
                ||||||  |||| ||||
Db         18 GGTCATAGCTGTTTCCT 2


RESULT 1801
US-09-679-409-134/c
; Sequence 134, Application US/09679409
; Patent No. 6555316
; GENERAL INFORMATION:
;  APPLICANT:  Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  APPLICANT:  Bougueleret, Lydie
;  APPLICANT:  Essioux, Laurent
;  TITLE OF INVENTION:  SCHIZOPHRENIA ASSOCIATED GENE, PROTEINS AND BIALLELIC MARKERS
;  FILE REFERENCE:  53.US15.CIP
;  CURRENT APPLICATION NUMBER: US/09/679,409
;  CURRENT FILING DATE:  2000-10-03
;  PRIOR APPLICATION NUMBER:  09/539,333
;  PRIOR FILING DATE:  2000-03-03
;  PRIOR APPLICATION NUMBER:  09/416,384
;  PRIOR FILING DATE:  1999-10-12
;  PRIOR APPLICATION NUMBER:  60/168,088
;  PRIOR FILING DATE:  1999-11-30
;  NUMBER OF SEQ ID NOS:  134
;  SOFTWARE:  Patent.pm
; SEQ ID NO 134
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
```

; OTHER INFORMATION: sequencing oligonucleotide PrimerRP
US-09-679-409-134

Query Match 0.6%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 8.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 639 GGTCATGACTGTGTCCT 655
|||||| |||| ||||
Db 18 GGTCATAGCTGTTTCCT 2

RESULT 1802
US-09-371-772B-2966
; Sequence 2966, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2966
; LENGTH: 18
; TYPE: RNA
; ORGANISM: Mus sp.
US-09-371-772B-2966

Query Match 0.6%; Score 12.2; DB 1; Length 18;
Best Local Similarity 64.7%; Pred. No. 8.1e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 638 GGGTCATGACTGTGTCC 654
||| | |||:|:|:||
Db 1 GGGCCCAGACUGUGUCC 17

RESULT 1803
US-09-371-772B-4002
; Sequence 4002, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4002
; LENGTH: 18
; TYPE: RNA
; ORGANISM: Mus sp.
US-09-371-772B-4002

Query Match 0.6%; Score 12.2; DB 1; Length 18;
Best Local Similarity 58.8%; Pred. No. 8.1e+02;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 1520 TCTCCAGCTCTGGCTTC 1536
:| |||||:| ||::|
Db 2 UCACCAGCUCCAGCUUC 18

RESULT 1804
US-09-371-772B-4038/c
; Sequence 4038, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions R
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4038
; LENGTH: 18
; TYPE: RNA
; ORGANISM: Mus sp.
US-09-371-772B-4038

Query Match 0.6%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 8.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 14 GGCGGGAGGGCGGACGG 30
||| || |||||| |||
Db 18 GGCCGGTGGGCGGGCGG 2

RESULT 1805
US-09-601-144-19/c
; Sequence 19, Application US/09601144
; Patent No. 6566514
; GENERAL INFORMATION:
; APPLICANT: Wright, Jim A.
; APPLICANT: Young, Aiping H.
; APPLICANT: Lee, Yoon S.
; TITLE OF INVENTION: OLIGONUCLEOTIDE SEQUENCES COMPLEMENTARY TO THIOREDOXIN
; TITLE OF INVENTION: AND THIOREDOXIN REDUCTASE GENES AND METHODS OF USING
; TITLE OF INVENTION: SAME TO MODULATE CELL GROWTH
; FILE REFERENCE: 683-112US-A
; CURRENT APPLICATION NUMBER: US/09/601,144
; CURRENT FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: US 60/073,196
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Human
US-09-601-144-19

Query Match 0.6%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 8.1e+02;

```
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1463 AGGAGAAGCCAGAAGCC 1479
              |||| ||||  ||||||
Db         17 AGGAAAAGCTTGAAGCC 1


RESULT 1806
US-09-762-861B-28/c
; Sequence 28, Application US/09762861B
; Patent No. 6579528
; GENERAL INFORMATION:
;  APPLICANT: The University of Pittsburgh - of the Commonwealth System of Higher
;  APPLICANT:  Education
;  APPLICANT:  Dowling, Patricia W.
;  APPLICANT:  Youngner, Julius S.
;  TITLE OF INVENTION: COLD-ADAPTED EQUINE INFLUENZA VIRUSES
;  FILE REFERENCE: EQ-1-C1-PUS (formerly HKZ-033CPUS)
;  CURRENT APPLICATION NUMBER: US/09/762,861B
;  CURRENT FILING DATE:  2001-02-13
;  PRIOR APPLICATION NUMBER: PCT/US99/18583
;  PRIOR FILING DATE: 1999-08-12
;  PRIOR APPLICATION NUMBER: 09/133,921
;  PRIOR FILING DATE: 1998-08-13
;  NUMBER OF SEQ ID NOS: 43
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Primer
US-09-762-861B-28

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        639 GGTCATGACTGTGTCCT 655
              ||||||  |||| ||||
Db         18 GGTCATAGCTGTTTCCT 2


RESULT 1807
US-09-021-410-1/c
; Sequence 1, Application US/09021410
; Patent No. 6582903
; GENERAL INFORMATION:
;  APPLICANT: Rigler, Rudolf
;  APPLICANT:  Eigen, Manfred
;  APPLICANT:  Mets, Ulo
;  APPLICANT:  Brinkmeyer, Michael
;  APPLICANT:  Henco, Karsten
;  APPLICANT:  Widengren, Jerker
;  APPLICANT:  Stuke, Michael
;  APPLICANT:  Simm, Wolfgang
;  APPLICANT:  Lehmann, Olaf
;  TITLE OF INVENTION: A method and a Device for the Evaluation of Biopolymer
;  TITLE OF INVENTION:  Fitness
;  FILE REFERENCE: P58841US1
;  CURRENT APPLICATION NUMBER: US/09/021,410
;  CURRENT FILING DATE:  1998-02-10
;  PRIOR APPLICATION NUMBER: DE4301005.9
;  PRIOR FILING DATE: 1993-01-18
;  PRIOR APPLICATION NUMBER: PCT/EP93/01291
;  PRIOR FILING DATE: 1993-05-22
;  PRIOR APPLICATION NUMBER: DE4342703.0
;  PRIOR FILING DATE: 1993-12-15
;  NUMBER OF SEQ ID NOS: 1
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-021-410-1

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        780 CATTTTCAAGCCGGTCA 796
              ||||||   ||||||||
Db         17 CATTTTGCTGCCGGTCA 1


RESULT 1808
US-09-569-852B-8/c
; Sequence 8, Application US/09569852B
; Patent No. 6582909
; GENERAL INFORMATION:
;  APPLICANT: Bougueleret, Lydie
;  APPLICANT:  Bihain, Bernard
;  APPLICANT:  Denison, Blake
;  APPLICANT:  Yen-Potin, Frances
;  TITLE OF INVENTION: APM1 Biallelic Markers and Uses Thereof
;  FILE REFERENCE: GEN-T113XC2
;  CURRENT APPLICATION NUMBER: US/09/569,852B
;  CURRENT FILING DATE:  2002-03-12
;  PRIOR APPLICATION NUMBER: PCT/IB99/01858
;  PRIOR FILING DATE: 1999-11-04
;  PRIOR APPLICATION NUMBER: US 09/434,848
;  PRIOR FILING DATE: 1999-11-04
;  PRIOR APPLICATION NUMBER: US 60/119,593
;  PRIOR FILING DATE: 1999-02-10
;  PRIOR APPLICATION NUMBER: US 60/107,113
;  PRIOR FILING DATE: 1998-11-04
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: sequencing oligonucleotide PrimerRP
US-09-569-852B-8

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        639 GGTCATGACTGTGTCCT 655
              ||||||  |||| ||||
Db         18 GGTCATAGCTGTTTCCT 2


RESULT 1809
US-09-356-806-126/c
; Sequence 126, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
;  APPLICANT: Penny, Laura
;  APPLICANT: Galvin, Margaret
;  APPLICANT: Miller, Andrew
;  APPLICANT: Reidy, Michael
;  TITLE OF INVENTION: Genotyping Human
;  TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
;  TITLE OF INVENTION: 2B15 (UGT2B15) Genes
;  FILE REFERENCE: SEQ-22PRV2
;  CURRENT APPLICATION NUMBER: US/09/356,806
;  CURRENT FILING DATE: 1999-07-20
;  NUMBER OF SEQ ID NOS: 164
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 126
;   LENGTH: 18
```

```
;   TYPE: DNA
;   ORGANISM: H. sapiens
US-09-356-806-126

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1850 AGAAGGGGTGGCTGGGT 1866
              ||||||  ||||||| |
Db         18 AGAAGGAATGGCTGGAT 2


RESULT 1810
US-09-356-806-131/c
; Sequence 131, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
;  APPLICANT: Penny, Laura
;  APPLICANT: Galvin, Margaret
;  APPLICANT: Miller, Andrew
;  APPLICANT: Reidy, Michael
;  TITLE OF INVENTION: Genotyping Human
;  TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
;  TITLE OF INVENTION: 2B15 (UGT2B15) Genes
;  FILE REFERENCE: SEQ-22PRV2
;  CURRENT APPLICATION NUMBER: US/09/356,806
;  CURRENT FILING DATE: 1999-07-20
;  NUMBER OF SEQ ID NOS: 164
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 131
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: H. sapiens
US-09-356-806-131

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        159 TCACCGAATCCGCATGA 175
              |||| ||||  ||||||
Db         17 TCACTGAATTGGCATGA 1


RESULT 1811
US-09-356-806-142/c
; Sequence 142, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
;  APPLICANT: Penny, Laura
;  APPLICANT: Galvin, Margaret
;  APPLICANT: Miller, Andrew
;  APPLICANT: Reidy, Michael
;  TITLE OF INVENTION: Genotyping Human
;  TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
;  TITLE OF INVENTION: 2B15 (UGT2B15) Genes
;  FILE REFERENCE: SEQ-22PRV2
;  CURRENT APPLICATION NUMBER: US/09/356,806
;  CURRENT FILING DATE: 1999-07-20
;  NUMBER OF SEQ ID NOS: 164
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 142
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: H. sapiens
US-09-356-806-142

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1850 AGAAGGGGTGGCTGGGT 1866
              ||||||  ||||||| |
Db         18 AGAAGGAATGGCTGGAT 2


RESULT 1812
US-09-954-594A-13
; Sequence 13, Application US/09954594A
; Patent No. 6589742
; GENERAL INFORMATION:
;  APPLICANT: Nerenberg, Michael I.
;  APPLICANT:  Westin, Lorelei P.
;  APPLICANT:  Edman, Carl F.
;  APPLICANT:  Carrino, John
;  TITLE OF INVENTION: MULTIPLEX AMPLIFICATION AND SEPARATION OF NUCLEIC ACID
;  TITLE OF INVENTION:  SEQUENCES ON A BIOELECTRONIC MICROCHIP USING ASYMMETRIC
;  TITLE OF INVENTION:  STRUCTURES
;  FILE REFERENCE: 241/109
;  CURRENT APPLICATION NUMBER: US/09/954,594A
;  CURRENT FILING DATE:  2001-09-17
;  PRIOR APPLICATION NUMBER: 09/290,452
;  PRIOR FILING DATE: 1999-04-12
;  NUMBER OF SEQ ID NOS: 62
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 13
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Salmonella typhimurium
US-09-954-594A-13

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1522 TCCAGCTCTGGCTTCCT 1538
              |||| |||||| ||| |
Db          1 TCCATCTCTGGATTCTT 17


RESULT 1813
US-09-587-934B-20
; Sequence 20, Application US/09587934B
; Patent No. 6608035
; GENERAL INFORMATION:
;  APPLICANT: AGRAWAL, Sudhir
;  APPLICANT:  DIASIO, Robert B.
;  APPLICANT:  ZHANG, Ruiwen
;  TITLE OF INVENTION: A Method of Down-Regulating Gene Expression
;  FILE REFERENCE: HYZ-030CPCN2(47508-734)
;  CURRENT APPLICATION NUMBER: US/09/587,934B
;  CURRENT FILING DATE:  2000-06-06
;  PRIOR APPLICATION NUMBER: US 08/758,005
;  PRIOR FILING DATE: 1996-11-27
;  PRIOR APPLICATION NUMBER: US 08/709,910
;  PRIOR FILING DATE: 1996-09-09
;  PRIOR APPLICATION NUMBER: US 08/328,520
;  PRIOR FILING DATE: 1994-10-25
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense
;   OTHER INFORMATION: DNA/RNA
US-09-587-934B-20

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   70.6%;  Pred. No. 8.1e+02;
  Matches   12;  Conservative    2;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1936 CGTACCTTCCCACTGGC 1952
              ||: ||| | |||:|||
```

```
Db          2 CGUGCCTCCTCACUGGC 18


RESULT 1814
US-08-993-765-2
; Sequence 2, Application US/08993765
; Patent No. 6610841
; GENERAL INFORMATION:
;  APPLICANT:  Warren, Stephen
;  TITLE OF INVENTION:  Nucleotide-Based Prodrugs
;  FILE REFERENCE:  NEX65/CPA
;  CURRENT APPLICATION NUMBER: US/08/993,765
;  CURRENT FILING DATE:  1997-12-18
;  NUMBER OF SEQ ID NOS:  3
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 2
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Synthetic
;   OTHER INFORMATION: Sequence
;   NAME/KEY: modified_base
;   LOCATION: (1)..(18)
;   OTHER INFORMATION: U's at positions 2,4, 6, 8, 10, 12, 14 and 16 are
;   OTHER INFORMATION: 5-bromo-deoxyuridine; A's at positions 1, 9, and
;   OTHER INFORMATION: 17 are deoxyadenosine; C's at positions 3 and 11
;   OTHER INFORMATION: are deoxycytosine;
;   NAME/KEY: modified_base
;   LOCATION: (1)..(18)
;   OTHER INFORMATION: G's at positions 5 and 13 are deoxyguanosine; T's
;   OTHER INFORMATION: at positions 7 and 15 are deoxythymidine; T at
;   OTHER INFORMATION: position 18 is a 3'-3' dT cap.
US-08-993-765-2

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   35.3%;  Pred. No. 8.1e+02;
  Matches    6;  Conservative    8;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1585 TCTATTTCTCTGTGTAT 1601
              :|: :|: :|:|: :||
Db          2 UCUGUTUAUCUGUTUAT 18


RESULT 1815
US-08-993-765-3
; Sequence 3, Application US/08993765
; Patent No. 6610841
; GENERAL INFORMATION:
;  APPLICANT:  Warren, Stephen
;  TITLE OF INVENTION:  Nucleotide-Based Prodrugs
;  FILE REFERENCE:  NEX65/CPA
;  CURRENT APPLICATION NUMBER: US/08/993,765
;  CURRENT FILING DATE:  1997-12-18
;  NUMBER OF SEQ ID NOS:  3
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 3
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Synthetic
;   OTHER INFORMATION: Sequence
;   NAME/KEY: modified_base
;   LOCATION: (1)..(18)
;   OTHER INFORMATION: A's at positions 1, 9 and 17 are 2'-OMe adenosine;
;   OTHER INFORMATION: C's at positons 3 and 11 are 2'OMe cytosine; G's
;   OTHER INFORMATION: at positions 5 and 13 are 2' OMe guanosine;
;   NAME/KEY: modified_base
;   LOCATION: (1)..(18)
;   OTHER INFORMATION: U's at positions 2, 4, 6, 8, 10, 12 14 and 16 are
;   OTHER INFORMATION: 5-bromodeoxyuridine; T's at positions 7 and 15 are
;   OTHER INFORMATION: 2'- OMe thymidine; T at position 18 is a 3' - 3'
;   OTHER INFORMATION: dT cap.
US-08-993-765-3

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   35.3%;  Pred. No. 8.1e+02;
  Matches    6;  Conservative    8;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1585 TCTATTTCTCTGTGTAT 1601
              :|: :|: :|:|: :||
Db          2 UCUGUTUAUCUGUTUAT 18


RESULT 1816
US-08-577-788C-11/c
; Sequence 11, Application US/08577788C
; Patent No. 6613544
; GENERAL INFORMATION:
;  APPLICANT: Boyle, William
;  APPLICANT:  Lacey, David
;  APPLICANT:  Calzone, Frank
;  APPLICANT:  Chang, Ming-Shi
;  TITLE OF INVENTION: Osteoprotegerin
;  FILE REFERENCE: A-378 Rev
;  CURRENT APPLICATION NUMBER: US/08/577,788C
;  CURRENT FILING DATE:  1995-12-22
;  NUMBER OF SEQ ID NOS: 58
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Rattus rattus
US-08-577-788C-11

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        639 GGTCATGACTGTGTCCT 655
              ||||||  |||| ||||
Db         18 GGTCATAGCTGTTTCCT 2


RESULT 1817
US-09-663-834A-31/c
; Sequence 31, Application US/09663834A
; Patent No. 6613567
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HER-2 EXPRESSION
;  FILE REFERENCE: RTS-0033
;  CURRENT APPLICATION NUMBER: US/09/663,834A
;  CURRENT FILING DATE:  2000-09-15
;  NUMBER OF SEQ ID NOS: 48
; SEQ ID NO 31
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-663-834A-31

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2001 ATTCTGCAGGTGGAGGT 2017
              ||||||| ||| | |||
Db         18 ATTCTGCTGGTCGTGGT 2


RESULT 1818
US-09-204-865-6/c
```

```
; Sequence 6, Application US/09204865
; Patent No. 6638760
; GENERAL INFORMATION:
;  APPLICANT: Chen, Jer-Kang
;  APPLICANT: Chiesa, Claudia
;  APPLICANT: Fry, George
;  APPLICANT: Furniss, Vergine
;  APPLICANT: Lambert, Stephen
;  APPLICANT: O'Neill, Roger
;  APPLICANT: Mehrpouyan, Majid
;  TITLE OF INVENTION: METHODS AND APPARATUS FOR FLOW-THROUGH
;  TITLE OF INVENTION: HYBRIDIZATION
;  FILE REFERENCE: 9584-0006-999
;  CURRENT APPLICATION NUMBER: US/09/204,865
;  CURRENT FILING DATE: 1998-12-03
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Sequencing primer
US-09-204-865-6

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        639 GGTCATGACTGTGTCCT 655
              ||||||  |||| ||||
Db         18 GGTCATAGCTGTTTCCT 2


RESULT 1819
US-09-321-249-20
; Sequence 20, Application US/09321249
; Patent No. 6645943
; GENERAL INFORMATION:
;  APPLICANT: AGRAWAL, Sudhir
;  APPLICANT:  DIASIO, Robert H.
;  APPLICANT:  ZHANG, Ruiwen
;  TITLE OF INVENTION: A Method of Down-Regulating Gene Expression
;  FILE REFERENCE: HYZ-030CIPCN (47508-437)
;  CURRENT APPLICATION NUMBER: US/09/321,249
;  CURRENT FILING DATE:  1999-05-27
;  PRIOR APPLICATION NUMBER: US 08/758,005
;  PRIOR FILING DATE: 1996-11-27
;  PRIOR APPLICATION NUMBER: US 08/709,910
;  PRIOR FILING DATE: 1996-09-09
;  PRIOR APPLICATION NUMBER: US 08/328,520
;  PRIOR FILING DATE: 1994-10-25
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense
;   OTHER INFORMATION: DNA/RNA
US-09-321-249-20

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   70.6%;  Pred. No. 8.1e+02;
  Matches   12;  Conservative    2;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1936 CGTACCTTCCCACTGGC 1952
              ||: ||| | |||:|||
Db          2 CGUGCCTCCTCACUGGC 18


RESULT 1820
US-09-913-514-19
; Sequence 19, Application US/09913514
; Patent No. 6653069
; GENERAL INFORMATION:
;  APPLICANT: GOMI, Yasuyuki
;  APPLICANT:  SUNAMACHI, Hiroki
;  APPLICANT:  TAKAHASHI, Michiaki
;  APPLICANT:  YAMANISHI, Koichi
;  TITLE OF INVENTION: Method for Quality Control of an Attenuated Varicella Live Vacci
;  FILE REFERENCE: 0216-0454P
;  CURRENT APPLICATION NUMBER: US/09/913,514
;  CURRENT FILING DATE:  2001-12-07
;  PRIOR APPLICATION NUMBER: PCT/JP01/00678
;  PRIOR FILING DATE: 2001-01-31
;  PRIOR APPLICATION NUMBER: JP 2000-62734
;  PRIOR FILING DATE: 2000-01-31
;  NUMBER OF SEQ ID NOS: 42
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Varicella virus
US-09-913-514-19

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        751 GACGGGATTGATGACGA 767
              |||| ||| || |||||
Db          2 GACGCGATCGACGACGA 18


RESULT 1821
US-09-788-847-31
; Sequence 31, Application US/09788847
; Patent No. 6653078
; GENERAL INFORMATION:
;  APPLICANT: Shultz, John W
;  APPLICANT:  Lewis, Martin K.
;  APPLICANT:  Leippe, Donna
;  APPLICANT:  Mandrekar, Michelle
;  APPLICANT:  Kephart, Daniel
;  APPLICANT:  Rhodes, Richard B
;  APPLICANT:  Andrews, Christine A.
;  APPLICANT:  Hartnett, James R.
;  APPLICANT:  Gu, Trent
;  APPLICANT:  Wood, Keith V.
;  APPLICANT:  Welch, Roy
;  TITLE OF INVENTION: MULTIPLEX METHOD FOR NUCLEIC ACID DETECTION
;  FILE REFERENCE: PRO-107.0 (6868/75532)
;  CURRENT APPLICATION NUMBER: US/09/788,847
;  CURRENT FILING DATE:  2001-02-20
;  PRIOR APPLICATION NUMBER: 09/406,064
;  PRIOR FILING DATE: 1999-09-27
;  PRIOR APPLICATION NUMBER: 09/252,436
;  PRIOR FILING DATE: 1999-02-18
;  PRIOR APPLICATION NUMBER: 09/042,287
;  PRIOR FILING DATE: 1998-03-13
;  NUMBER OF SEQ ID NOS: 99
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 31
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-788-847-31

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1146 GATCAAACAGCGACTGT 1162
              |||  | ||||||||||
```

```
Db          1 GATTCAGCAGCGACTGT 17


RESULT 1822
US-09-788-847-69/c
; Sequence 69, Application US/09788847
; Patent No. 6653078
; GENERAL INFORMATION:
;  APPLICANT: Shultz, John W
;  APPLICANT:  Lewis, Martin K.
;  APPLICANT:  Leippe, Donna
;  APPLICANT:  Mandrekar, Michelle
;  APPLICANT:  Kephart, Daniel
;  APPLICANT:  Rhodes, Richard B
;  APPLICANT:  Andrews, Christine A.
;  APPLICANT:  Hartnett, James R.
;  APPLICANT:  Gu, Trent
;  APPLICANT:  Wood, Keith V.
;  APPLICANT:  Welch, Roy
;  TITLE OF INVENTION: MULTIPLEX METHOD FOR NUCLEIC ACID DETECTION
;  FILE REFERENCE: PRO-107.0 (6868/75532)
;  CURRENT APPLICATION NUMBER: US/09/788,847
;  CURRENT FILING DATE:  2001-02-20
;  PRIOR APPLICATION NUMBER: 09/406,064
;  PRIOR FILING DATE: 1999-09-27
;  PRIOR APPLICATION NUMBER: 09/252,436
;  PRIOR FILING DATE: 1999-02-18
;  PRIOR APPLICATION NUMBER: 09/042,287
;  PRIOR FILING DATE: 1998-03-13
;  NUMBER OF SEQ ID NOS: 99
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 69
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: CAH reverse
;   OTHER INFORMATION: probe
US-09-788-847-69

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        624 CTACACCACGGACCGGG 640
              ||| |||||| || |||
Db         17 CTAGACCACGAACTGGG 1


RESULT 1823
US-09-367-513-6/c
; Sequence 6, Application US/09367513
; Patent No. 6660255
; GENERAL INFORMATION:
;  APPLICANT: Gottesfeld, Joel M.
;  APPLICANT:  Dervan, Peter B.
;  APPLICANT:  Mosier, Donald E.
;  APPLICANT:  Baird, Eldon E.
;  TITLE OF INVENTION: INHIBITION OF GENE TRANSCRIPTION BY
;  TITLE OF INVENTION:  POLYAMIDE DNA-BINDING LIGANDS
;  FILE REFERENCE: 27801-20012.00
;  CURRENT APPLICATION NUMBER: US/09/367,513
;  CURRENT FILING DATE:  2000-04-25
;  PRIOR APPLICATION NUMBER: US 60/038,384
;  PRIOR FILING DATE: 1997-02-14
;  PRIOR APPLICATION NUMBER: US 60/038,394
;  PRIOR FILING DATE: 1997-02-14
;  PRIOR APPLICATION NUMBER: US 60/(CIT2683)
;  PRIOR FILING DATE: 1997-09-02
;  PRIOR APPLICATION NUMBER: US 60/(CIT2684)
;  PRIOR FILING DATE: 1997-09-10
;  PRIOR APPLICATION NUMBER: US 08/853,022
;  PRIOR FILING DATE: 1997-04-21
;  PRIOR APPLICATION NUMBER: PCT/US97/12722
;  PRIOR FILING DATE: 1997-07-21
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: HIV
US-09-367-513-6

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1762 GGATACTTTTATGCAAC 1778
              || | |||||||||| |
Db         18 GGCTGCTTTTATGCAGC 2


RESULT 1824
US-09-828-303-25/c
; Sequence 25, Application US/09828303
; Patent No. 6677504
; GENERAL INFORMATION:
;  APPLICANT: COSTA E SILVA, OSWALDO DA
;  APPLICANT:  BOHNERT, HANS J.
;  APPLICANT:  VAN THIELEN, NOCHA
;  APPLICANT:  CHEN, ROUYING
;  TITLE OF INVENTION: TRANSCRIPTION FACTOR STRESS-RELATED PROTEINS AND
;  TITLE OF INVENTION:  METHODS OF USE IN PLANTS
;  FILE REFERENCE: 16313-0030
;  CURRENT APPLICATION NUMBER: US/09/828,303
;  CURRENT FILING DATE:  2001-08-20
;  PRIOR APPLICATION NUMBER: 60/196,001
;  PRIOR FILING DATE: 2000-04-07
;  NUMBER OF SEQ ID NOS: 79
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 25
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-828-303-25

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        639 GGTCATGACTGTGTCCT 655
              ||||||  |||| ||||
Db         18 GGTCATAGCTGTTTCCT 2


RESULT 1825
US-10-065-133A-28/c
; Sequence 28, Application US/10065133A
; Patent No. 6685946
; GENERAL INFORMATION:
;  APPLICANT: Dowling, Patricia W.
;  APPLICANT:  Youngner, Julius S.
;  TITLE OF INVENTION: COLD-ADAPTED EQUINE INFLUENZA VIRUSES
;  FILE REFERENCE: EQ-1-C2-1
;  CURRENT APPLICATION NUMBER: US/10/065,133A
;  CURRENT FILING DATE:  2002-12-10
;  PRIOR APPLICATION NUMBER: PCT/US99/18583
;  PRIOR FILING DATE: 1999-08-12
;  PRIOR APPLICATION NUMBER: 09/133,921
;  PRIOR FILING DATE: 1998-08-13
;  NUMBER OF SEQ ID NOS: 108
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28
;   LENGTH: 18
```

```
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Primer
US-10-065-133A-28

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         639 GGTCATGACTGTGTCCT 655
               ||||||  |||| ||||
Db          18 GGTCATAGCTGTTTCCT 2


RESULT 1826
PCT-US94-07297-28/c
; Sequence 28, Application PC/TUS9407297
;  GENERAL INFORMATION:
;    APPLICANT:  Arai, Naoko
;    APPLICANT:  Masuda, Esteban S.
;    APPLICANT:  Tokumitsu, Hiroshi
;    TITLE OF INVENTION:  PURIFIED COMPONENTS OF MAMMALIAN
;    TITLE OF INVENTION:  TRANSCRIPTION REGULATION COMPLEXES, AND ANALOGS
;    NUMBER OF SEQUENCES:  41
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  John H. C. Blasdale, Schering-Plough Corporation, M-3-W
;      STREET:  One Giralda Farms
;      CITY:  Madison
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07940-1000
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  Apple Macintosh IIci
;      OPERATING SYSTEM:  System Software 7.1
;      SOFTWARE:  Microsoft Word 5.1a
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/07297
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/222,626
;      FILING DATE:  04-APR-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/148,061
;      FILING DATE:  05-NOV-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/113,971
;      FILING DATE:  30-AUG-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/099,998
;      FILING DATE:  30-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/088,483
;      FILING DATE:  06-JUL-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Blasdale, John H. C.
;      REGISTRATION NUMBER:  31,895
;      REFERENCE/DOCKET NUMBER:  DX0392K4
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  201-822-7398
;      TELEFAX:  201-822-7039
;  INFORMATION FOR SEQ ID NO:  28:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
PCT-US94-07297-28

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy          86 GGAGGAAAGTCTGTTAC 102
               ||||||| ||||| |
Db          18 GGAGGAAAAACTGTTTC 2


RESULT 1827
PCT-US94-07297-30/c
; Sequence 30, Application PC/TUS9407297
;  GENERAL INFORMATION:
;    APPLICANT:  Arai, Naoko
;    APPLICANT:  Masuda, Esteban S.
;    APPLICANT:  Tokumitsu, Hiroshi
;    TITLE OF INVENTION:  PURIFIED COMPONENTS OF MAMMALIAN
;    TITLE OF INVENTION:  TRANSCRIPTION REGULATION COMPLEXES, AND ANALOGS
;    NUMBER OF SEQUENCES:  41
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  John H. C. Blasdale, Schering-Plough Corporation, M-3-W
;      STREET:  One Giralda Farms
;      CITY:  Madison
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07940-1000
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  Apple Macintosh IIci
;      OPERATING SYSTEM:  System Software 7.1
;      SOFTWARE:  Microsoft Word 5.1a
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/07297
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/222,626
;      FILING DATE:  04-APR-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/148,061
;      FILING DATE:  05-NOV-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/113,971
;      FILING DATE:  30-AUG-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/099,998
;      FILING DATE:  30-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/088,483
;      FILING DATE:  06-JUL-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Blasdale, John H. C.
;      REGISTRATION NUMBER:  31,895
;      REFERENCE/DOCKET NUMBER:  DX0392K4
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  201-822-7398
;      TELEFAX:  201-822-7039
;  INFORMATION FOR SEQ ID NO:  30:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
PCT-US94-07297-30

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy          86 GGAGGAAAGTCTGTTAC 102
               ||||||| | |||| |
Db          18 GGAGGAAAATTTGTTTC 2
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RESULT 1828
PCT-US95-08604-108/c
; Sequence 108, Application PC/TUS9508604
;  GENERAL INFORMATION:
;    APPLICANT:  Visible Genetics Inc.
;    APPLICANT:  HSC Reasearch and Development Limitied Partnership
;    APPLICANT:  Gallie, Brenda L.
;    APPLICANT:  Dunn, James M.
;    APPLICANT:  Stevens, John K.
;    TITLE OF INVENTION:  Method, Reagents and Kit for Diagnosis
;    TITLE OF INVENTION:  and Targeted Screening for Retinoblastoma
;    NUMBER OF SEQUENCES:  125
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Oppedahl & Larson
;      STREET:  1992 Commerce Street, Suite 309
;      CITY:  Yorktown Heights
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10598-4412
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 Mb
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS 5.0
;      SOFTWARE:  Word Perfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/08604
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/271,942
;      FILING DATE:  08-JUL-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Marina T. Larson
;      REGISTRATION NUMBER:  32,038
;      REFERENCE/DOCKET NUMBER:  VGEN.P-003-WO
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (914) 245-3252
;      TELEFAX:  (914) 962-4330
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  108:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  genomic DNA
;    HYPOTHETICAL:  no
;    ANTI-SENSE:  no
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
;      ORGANISM:  human
;    FEATURE:
;      NAME/KEY:  primer for exon 21 of human RB1 gene
PCT-US95-08604-108

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2042 ATACTATTTTCATTTTT 2058
                |||| |||||| || ||
Db         18 ATACCATTTTCTTTCTT 2


RESULT 1829
PCT-US95-16718-18
; Sequence 18, Application PC/TUS9516718
;  GENERAL INFORMATION:
;    APPLICANT:  MOUNT SINAI SCHOOL OF MEDICINE OF THE
;    APPLICANT:  CITY UNIVERSITY OF NEW YORK
;    TITLE OF INVENTION:  CHIMERIC ANTIBODIES
;    TITLE OF INVENTION:  COMPRISING ANTIGEN BINDING SITES AND B AND T CELL EPITOPES
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Brumbaugh, Graves, Donohue &
;      ADDRESSEE:  Raymond
;      STREET:  30 Rockefeller Plaza
;      CITY:  New York
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10112-0228
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/16718
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Clark, Richard S
;      REGISTRATION NUMBER:  26,154
;      REFERENCE/DOCKET NUMBER:  29889-165/29528
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-408-2558
;      TELEFAX:  212-765-2519
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  18:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    ORIGINAL SOURCE:
;      ORGANISM:
;    FEATURE:
;      NAME/KEY:
;      LOCATION:
;      OTHER INFORMATION:  primer
PCT-US95-16718-18

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1246 GATGAGGACGAAGACGA 1262
                | ||||||| |||| ||
Db          2 GCTGAGGACAAAGAAGA 18


RESULT 1830
PCT-US96-07795-40/c
; Sequence 40, Application PC/TUS9607795
;  GENERAL INFORMATION:
;    APPLICANT:  MERCK & CO., INC.
;    APPLICANT:  Register, Robert B.
;    APPLICANT:  Shafer, Jules A.
;    TITLE OF INVENTION:  HERPES SIMPLEX TYPE 1 PROTEASE MUTANTS
;    TITLE OF INVENTION:  AND VECTORS
;    NUMBER OF SEQUENCES:  40
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Ms. Joanne M. Giesser
;      STREET:  126 East Lincoln Avenue, P.O. Box 2000-0907
;      CITY:  Rahway
;      STATE:  New Jersey
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
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;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US96/07795
;       FILING DATE:
;       CLASSIFICATION:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Giesser, Joanne M.
;       REGISTRATION NUMBER:  32,838
;       REFERENCE/DOCKET NUMBER:  19457
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (908) 594-3046
;       TELEFAX:  (908) 594-4720
;   INFORMATION FOR SEQ ID NO:  40:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  18 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
PCT-US96-07795-40

  Query Match              0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        722 AGTATTATGCTGTTAAC 738
              || || ||| |||||||
Db         17 AGCATCATGTTGTTAAC 1


RESULT 1831
PCT-US96-07796-40/c
; Sequence 40, Application PC/TUS9607796
;  GENERAL INFORMATION:
;     APPLICANT:  MERCK & CO., INC.
;     APPLICANT:  Register, Robert B.
;     APPLICANT:  Shafer, Jules A.
;     TITLE OF INVENTION:  HERPES SIMPLEX TYPE 1 PROTEASE MUTANTS
;     TITLE OF INVENTION:  AND VECTORS
;     NUMBER OF SEQUENCES:  40
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Ms. Joanne M. Giesser
;       STREET:  126 East Lincoln Avenue, P.O. Box 2000-0907
;       CITY:  Rahway
;       STATE:  New Jersey
;       COUNTRY:  US
;       ZIP:  07065-0907
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US96/07796
;       FILING DATE:
;       CLASSIFICATION:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Giesser, Joanne M.
;       REGISTRATION NUMBER:  32,838
;       REFERENCE/DOCKET NUMBER:  19457
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (908) 594-3046
;       TELEFAX:  (908) 594-4720
;   INFORMATION FOR SEQ ID NO:  40:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  18 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
PCT-US96-07796-40

  Query Match              0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        722 AGTATTATGCTGTTAAC 738
              || || ||| |||||||
Db         17 AGCATCATGTTGTTAAC 1


RESULT 1832
PCT-US96-09915-8/c
; Sequence 8, Application PC/TUS9609915
;  GENERAL INFORMATION:
;     APPLICANT:  Scaringe, Stephen A.
;     APPLICANT:  Caruthers, Marvin H.
;     TITLE OF INVENTION:  NOVEL PROTECTING GROUPS AND USE THEREOF
;     TITLE OF INVENTION:  IN AN IMPROVED PROCESS FOR OLIGONUCLEOTIDE SYNTHESIS
;     NUMBER OF SEQUENCES:  9
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Steven C. Petersen
;       STREET:  1900 Fifteenth Street
;       CITY:  Boulder
;       STATE:  CO
;       COUNTRY:  USA
;       ZIP:  80302
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US96/09915
;       FILING DATE:  07-JUN-1996
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/488,878
;       FILING DATE:  09-JUN-1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Petersen, Steven C.
;       REGISTRATION NUMBER:  36,238
;       REFERENCE/DOCKET NUMBER:  file no. 16840-01
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  303-546-1300
;       TELEFAX:  303-449-5426
;   INFORMATION FOR SEQ ID NO:  8:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  18 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  other nucleic acid
;       DESCRIPTION:  /desc = "RNA (sythentic)"
PCT-US96-09915-8

  Query Match              0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1052 ACAATGACTACTTTGAA 1068
              ||||| |||||| | ||
Db         17 ACAATAACTACTCTAAA 1


RESULT 1833
5457089-24
;Patent No. 5457089
;     APPLICANT: FIBI, MATHIAS;ZETTLMEISSL, GERD;KUPPER, HANS
;     TITLE OF INVENTION: MUTEINS OF HUMAN ERYTHROPOIETIN, THE
;PREPARATION THEREOF AND THE USE THEREOF
;     NUMBER OF SEQUENCES: 32
;     CURRENT APPLICATION DATA:
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;      APPLICATION NUMBER:  US/08/272,375
;      FILING DATE: 06-JUL-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: 152,919
;      FILING DATE: 16-NOV-1993
;      APPLICATION NUMBER: 799,898
;      FILING DATE: 02-DEC-1991
;      APPLICATION NUMBER: 553,593
;      FILING DATE: 18-JUL-1990
;SEQ ID NO:24:
;      LENGTH: 18
5457089-24

  Query Match              0.6%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1890 CAGGCTCCTAAAGTAAC 1906
              ||||| || ||| ||||
Db          2 CAGGCGCCGAAATTAAC 18


Search completed: September 10, 2004, 11:44:31
Job time : 47 secs
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OM nucleic - nucleic search, using sw model

Run on: September 10, 2004, 11:47:22 ; Search time 37 Seconds
(without alignments)
3.625 Million cell updates/sec

Title: us-09-745-167a-3
Perfect score: 2091
Sequence: 1 gagcggagccgcgggcggga.....taataaaatggtacatttct 2091

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 0.5

Searched: 1614 seqs, 32075 residues

Total number of hits satisfying chosen parameters: 3228

Minimum DB seq length: 8
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1632 summaries

Database : rnpb3.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.		Score	% Query Match	Length	DB	ID	Description
c	1	33	1.6	41	1	US-10-475-681-26	Sequence 26, Appl
	2	27	1.3	40	1	US-10-475-681-25	Sequence 25, Appl
c	3	26.8	1.3	30	1	US-10-189-818B-39	Sequence 39, Appl
	4	26	1.2	26	1	US-09-754-167-6	Sequence 6, Appli
c	5	26	1.2	26	1	US-09-563-728A-4	Sequence 4, Appli
c	6	26	1.2	26	1	US-09-563-728A-13	Sequence 13, Appl
c	7	26	1.2	26	1	US-10-145-493B-47	Sequence 47, Appl
c	8	25	1.2	26	1	US-10-145-493B-90	Sequence 90, Appl
	9	25	1.2	35	1	US-10-475-681-35	Sequence 35, Appl
c	10	25	1.2	35	1	US-10-475-681-36	Sequence 36, Appl
c	11	24.4	1.2	26	1	US-09-563-728A-2	Sequence 2, Appli
c	12	24.4	1.2	26	1	US-09-563-728A-3	Sequence 3, Appli
c	13	24.4	1.2	26	1	US-09-563-728A-11	Sequence 11, Appl
c	14	24.4	1.2	26	1	US-09-563-728A-12	Sequence 12, Appl
c	15	24	1.1	24	1	US-09-754-167-5	Sequence 5, Appli
c	16	23.4	1.1	26	1	US-10-145-493B-82	Sequence 82, Appl
c	17	23.4	1.1	26	1	US-10-145-493B-83	Sequence 83, Appl
c	18	23	1.1	23	1	US-10-145-493B-45	Sequence 45, Appl
c	19	22.8	1.1	26	1	US-09-563-728A-5	Sequence 5, Appli
c	20	22.8	1.1	26	1	US-09-563-728A-14	Sequence 14, Appl
c	21	22.8	1.1	26	1	US-10-145-493B-55	Sequence 55, Appl
c	22	22	1.1	22	1	US-10-145-493B-46	Sequence 46, Appl
c	23	21.8	1.0	26	1	US-10-145-493B-89	Sequence 89, Appl
c	24	21.4	1.0	23	1	US-10-145-493B-53	Sequence 53, Appl
	25	21	1.0	30	1	US-10-157-382-3	Sequence 3, Appli
c	26	21	1.0	30	1	US-10-157-382-4	Sequence 4, Appli
c	27	20.4	1.0	22	1	US-10-145-493B-54	Sequence 54, Appl
c	28	20	1.0	20	1	US-09-754-167-10	Sequence 10, Appl
c	29	20	1.0	20	1	US-09-754-167-11	Sequence 11, Appl
c	30	20	1.0	20	1	US-09-754-167-12	Sequence 12, Appl
c	31	20	1.0	20	1	US-09-754-167-13	Sequence 13, Appl
c	32	20	1.0	20	1	US-09-754-167-14	Sequence 14, Appl
c	33	20	1.0	20	1	US-09-754-167-15	Sequence 15, Appl
c	34	20	1.0	20	1	US-09-754-167-16	Sequence 16, Appl
c	35	20	1.0	20	1	US-09-754-167-17	Sequence 17, Appl
c	36	20	1.0	20	1	US-09-754-167-18	Sequence 18, Appl
c	37	20	1.0	20	1	US-09-754-167-19	Sequence 19, Appl
c	38	20	1.0	20	1	US-09-754-167-20	Sequence 20, Appl
c	39	20	1.0	20	1	US-09-754-167-21	Sequence 21, Appl
c	40	20	1.0	20	1	US-09-754-167-22	Sequence 22, Appl
c	41	20	1.0	20	1	US-09-754-167-23	Sequence 23, Appl
c	42	20	1.0	20	1	US-09-754-167-24	Sequence 24, Appl
c	43	20	1.0	20	1	US-09-754-167-25	Sequence 25, Appl
c	44	20	1.0	20	1	US-09-754-167-26	Sequence 26, Appl
c	45	20	1.0	20	1	US-09-754-167-27	Sequence 27, Appl
c	46	20	1.0	20	1	US-09-754-167-28	Sequence 28, Appl
c	47	20	1.0	20	1	US-09-754-167-29	Sequence 29, Appl
c	48	20	1.0	20	1	US-09-754-167-30	Sequence 30, Appl
c	49	20	1.0	20	1	US-09-754-167-31	Sequence 31, Appl
c	50	20	1.0	20	1	US-09-754-167-32	Sequence 32, Appl
c	51	20	1.0	20	1	US-09-754-167-33	Sequence 33, Appl
c	52	20	1.0	20	1	US-09-754-167-34	Sequence 34, Appl
c	53	20	1.0	20	1	US-09-754-167-35	Sequence 35, Appl
c	54	20	1.0	20	1	US-09-754-167-36	Sequence 36, Appl
c	55	20	1.0	20	1	US-09-754-167-37	Sequence 37, Appl
c	56	20	1.0	20	1	US-09-754-167-38	Sequence 38, Appl
c	57	20	1.0	20	1	US-09-754-167-39	Sequence 39, Appl
c	58	20	1.0	20	1	US-09-754-167-40	Sequence 40, Appl
c	59	20	1.0	20	1	US-09-754-167-41	Sequence 41, Appl
c	60	20	1.0	20	1	US-09-754-167-42	Sequence 42, Appl
c	61	20	1.0	20	1	US-09-754-167-43	Sequence 43, Appl
c	62	20	1.0	20	1	US-09-754-167-44	Sequence 44, Appl
c	63	20	1.0	20	1	US-09-754-167-45	Sequence 45, Appl
c	64	20	1.0	20	1	US-09-754-167-46	Sequence 46, Appl
c	65	20	1.0	20	1	US-09-754-167-47	Sequence 47, Appl
c	66	20	1.0	20	1	US-09-754-167-48	Sequence 48, Appl
c	67	20	1.0	20	1	US-09-754-167-49	Sequence 49, Appl
c	68	20	1.0	20	1	US-09-754-167-50	Sequence 50, Appl
c	69	20	1.0	20	1	US-09-754-167-51	Sequence 51, Appl
c	70	20	1.0	20	1	US-09-754-167-52	Sequence 52, Appl
c	71	20	1.0	20	1	US-09-754-167-53	Sequence 53, Appl
c	72	20	1.0	20	1	US-09-754-167-54	Sequence 54, Appl
c	73	20	1.0	20	1	US-09-754-167-55	Sequence 55, Appl
c	74	20	1.0	20	1	US-09-754-167-56	Sequence 56, Appl
c	75	20	1.0	20	1	US-09-754-167-57	Sequence 57, Appl
c	76	20	1.0	20	1	US-09-754-167-58	Sequence 58, Appl
c	77	20	1.0	20	1	US-09-754-167-59	Sequence 59, Appl
c	78	20	1.0	20	1	US-09-754-167-60	Sequence 60, Appl
c	79	20	1.0	20	1	US-09-754-167-61	Sequence 61, Appl
c	80	20	1.0	20	1	US-09-754-167-62	Sequence 62, Appl
c	81	20	1.0	20	1	US-09-754-167-63	Sequence 63, Appl
c	82	20	1.0	20	1	US-09-754-167-64	Sequence 64, Appl
c	83	20	1.0	20	1	US-09-754-167-65	Sequence 65, Appl
c	84	20	1.0	20	1	US-09-754-167-66	Sequence 66, Appl
c	85	20	1.0	20	1	US-09-754-167-67	Sequence 67, Appl
c	86	20	1.0	20	1	US-09-754-167-68	Sequence 68, Appl
c	87	20	1.0	20	1	US-09-754-167-69	Sequence 69, Appl
c	88	20	1.0	20	1	US-09-754-167-70	Sequence 70, Appl
c	89	20	1.0	20	1	US-09-754-167-71	Sequence 71, Appl
c	90	20	1.0	20	1	US-09-754-167-72	Sequence 72, Appl
c	91	20	1.0	20	1	US-09-754-167-73	Sequence 73, Appl
c	92	20	1.0	20	1	US-09-754-167-74	Sequence 74, Appl
c	93	20	1.0	20	1	US-09-754-167-75	Sequence 75, Appl
c	94	20	1.0	20	1	US-09-754-167-76	Sequence 76, Appl
c	95	20	1.0	20	1	US-09-754-167-77	Sequence 77, Appl
c	96	20	1.0	20	1	US-09-754-167-78	Sequence 78, Appl
c	97	20	1.0	20	1	US-09-754-167-79	Sequence 79, Appl
c	98	20	1.0	20	1	US-09-754-167-80	Sequence 80, Appl
c	99	20	1.0	20	1	US-09-754-167-81	Sequence 81, Appl
c	100	20	1.0	20	1	US-09-754-167-82	Sequence 82, Appl
c	101	20	1.0	20	1	US-09-754-167-83	Sequence 83, Appl
c	102	20	1.0	20	1	US-09-754-167-84	Sequence 84, Appl
c	103	20	1.0	20	1	US-09-754-167-85	Sequence 85, Appl
c	104	20	1.0	20	1	US-09-754-167-86	Sequence 86, Appl
c	105	20	1.0	20	1	US-09-754-167-87	Sequence 87, Appl
c	106	20	1.0	20	1	US-09-817-913-17	Sequence 17, Appl

c 107	20	1.0	20	1	US-09-817-913-18	Sequence 18, Appl
c 108	20	1.0	20	1	US-09-817-538-17	Sequence 17, Appl
c 109	20	1.0	20	1	US-09-817-538-18	Sequence 18, Appl
c 110	20	1.0	20	1	US-09-563-728A-1	Sequence 1, Appli
c 111	20	1.0	20	1	US-09-563-728A-10	Sequence 10, Appl
c 112	20	1.0	20	1	US-10-189-818B-8	Sequence 8, Appli
c 113	20	1.0	20	1	US-10-189-818B-10	Sequence 10, Appl
c 114	20	1.0	20	1	US-10-145-493B-41	Sequence 41, Appl
c 115	20	1.0	20	1	US-10-145-493B-42	Sequence 42, Appl
c 116	20	1.0	20	1	US-10-145-493B-43	Sequence 43, Appl
c 117	20	1.0	20	1	US-10-145-493B-44	Sequence 44, Appl
c 118	20	1.0	20	1	US-10-052-390B-1	Sequence 1, Appli
c 119	20	1.0	20	1	US-10-052-390B-2	Sequence 2, Appli
c 120	20	1.0	20	1	US-10-051-819B-1	Sequence 1, Appli
c 121	20	1.0	20	1	US-10-051-819B-2	Sequence 2, Appli
122	19.4	0.9	29	1	US-10-225-810-65	Sequence 65, Appl
c 123	19.2	0.9	24	1	US-09-733-692A-24	Sequence 24, Appl
124	19	0.9	19	1	US-09-754-167-4	Sequence 4, Appli
c 125	18.6	0.9	25	1	US-10-098-263B-16369	Sequence 16369, A
126	18.2	0.9	25	1	US-09-866-108-13560	Sequence 13560, A
127	18.2	0.9	25	1	US-09-866-108-13561	Sequence 13561, A
128	18.2	0.9	25	1	US-09-866-108-13562	Sequence 13562, A
c 129	18.2	0.9	25	1	US-10-098-263B-106918	Sequence 106918,
130	18.2	0.9	25	1	US-10-723-361-13560	Sequence 13560, A
131	18.2	0.9	25	1	US-10-723-361-13561	Sequence 13561, A
132	18.2	0.9	25	1	US-10-723-361-13562	Sequence 13562, A
c 133	18	0.9	24	1	US-09-263-959-1233	Sequence 1233, Ap
134	18	0.9	27	1	US-10-156-995-149	Sequence 149, App
c 135	17.8	0.9	25	1	US-10-098-263B-18418	Sequence 18418, A
c 136	17.8	0.9	25	1	US-10-098-263B-32728	Sequence 32728, A
c 137	17.6	0.8	25	1	US-09-866-108-13968	Sequence 13968, A
c 138	17.6	0.8	25	1	US-09-866-108-13969	Sequence 13969, A
139	17.6	0.8	25	1	US-10-060-756A-2588	Sequence 2588, Ap
140	17.6	0.8	25	1	US-10-060-756A-2589	Sequence 2589, Ap
c 141	17.6	0.8	25	1	US-10-098-263B-15733	Sequence 15733, A
142	17.6	0.8	25	1	US-10-098-263B-97461	Sequence 97461, A
143	17.6	0.8	25	1	US-10-098-263B-98284	Sequence 98284, A
c 144	17.6	0.8	25	1	US-10-723-361-13968	Sequence 13968, A
c 145	17.6	0.8	25	1	US-10-723-361-13969	Sequence 13969, A
c 146	17.2	0.8	24	1	US-09-828-034-12	Sequence 12, Appl
147	17.2	0.8	25	1	US-09-866-108-13559	Sequence 13559, A
148	17.2	0.8	25	1	US-09-866-108-13563	Sequence 13563, A
149	17.2	0.8	25	1	US-10-060-756A-2590	Sequence 2590, Ap
150	17.2	0.8	25	1	US-10-060-756A-2591	Sequence 2591, Ap
151	17.2	0.8	25	1	US-10-060-756A-2592	Sequence 2592, Ap
152	17.2	0.8	25	1	US-10-060-756A-2593	Sequence 2593, Ap
c 153	17.2	0.8	25	1	US-10-098-263B-107894	Sequence 107894,
154	17.2	0.8	25	1	US-10-723-361-13559	Sequence 13559, A
155	17.2	0.8	25	1	US-10-723-361-13563	Sequence 13563, A
c 156	17	0.8	25	1	US-09-866-108-13970	Sequence 13970, A
157	17	0.8	25	1	US-10-060-756A-2587	Sequence 2587, Ap
c 158	17	0.8	25	1	US-10-098-263B-85	Sequence 85, Appl
c 159	17	0.8	25	1	US-10-098-263B-16370	Sequence 16370, A
160	17	0.8	25	1	US-10-098-263B-126908	Sequence 126908,
161	17	0.8	25	1	US-10-098-263B-129330	Sequence 129330,
c 162	17	0.8	25	1	US-10-723-361-13970	Sequence 13970, A
c 163	17	0.8	26	1	US-10-136-728-122	Sequence 122, App
c 164	16.8	0.8	20	1	US-09-953-318-65	Sequence 65, Appl
c 165	16.8	0.8	20	1	US-10-446-373-65	Sequence 65, Appl
166	16.8	0.8	20	1	US-10-218-969-48	Sequence 48, Appl
c 167	16.8	0.8	24	1	US-10-282-174-538	Sequence 538, App
c 168	16.8	0.8	25	1	US-10-098-263B-45486	Sequence 45486, A
169	16.8	0.8	25	1	US-10-098-263B-101628	Sequence 101628,
c 170	16.6	0.8	17	1	US-09-995-529-198	Sequence 198, App
c 171	16.6	0.8	17	1	US-09-995-529-198	Sequence 198, App
c 172	16.6	0.8	25	1	US-09-866-108-13967	Sequence 13967, A
c 173	16.6	0.8	25	1	US-09-866-108-13971	Sequence 13971, A
c 174	16.6	0.8	25	1	US-09-866-108-13972	Sequence 13972, A
175	16.6	0.8	25	1	US-09-808-658-1	Sequence 1, Appli
c 176	16.6	0.8	25	1	US-10-182-006-15	Sequence 15, Appl
c 177	16.6	0.8	25	1	US-10-098-263B-7335	Sequence 7335, Ap
c 178	16.6	0.8	25	1	US-10-098-263B-39796	Sequence 39796, A
179	16.6	0.8	25	1	US-10-098-263B-77695	Sequence 77695, A
c 180	16.6	0.8	25	1	US-10-098-263B-106917	Sequence 106917,
c 181	16.6	0.8	25	1	US-10-098-263B-107869	Sequence 107869,
c 182	16.6	0.8	25	1	US-10-098-263B-107870	Sequence 107870,
183	16.6	0.8	25	1	US-10-036-959B-16	Sequence 16, Appl
c 184	16.6	0.8	25	1	US-10-392-041-12	Sequence 12, Appl
c 185	16.6	0.8	25	1	US-10-394-763-12	Sequence 12, Appl
c 186	16.6	0.8	25	1	US-10-717-597-3088	Sequence 3088, Ap
c 187	16.6	0.8	25	1	US-10-723-361-13967	Sequence 13967, A
c 188	16.6	0.8	25	1	US-10-723-361-13971	Sequence 13971, A
c 189	16.6	0.8	25	1	US-10-723-361-13972	Sequence 13972, A
190	16.6	0.8	25	1	US-10-759-889-7	Sequence 7, Appli
c 191	16.4	0.8	20	1	US-09-996-263-13	Sequence 13, Appl
c 192	16.4	0.8	20	1	US-10-057-550-28	Sequence 28, Appl
c 193	16.4	0.8	20	1	US-10-173-225B-27	Sequence 27, Appl
c 194	16.4	0.8	20	1	US-10-352-586-13	Sequence 13, Appl
c 195	16.4	0.8	20	1	US-10-293-863-27	Sequence 27, Appl
196	16.4	0.8	20	1	US-10-293-863-61	Sequence 61, Appl
c 197	16.4	0.8	20	1	US-10-671-395-983	Sequence 983, App
c 198	16.4	0.8	20	1	US-10-671-395-1215	Sequence 1215, Ap
c 199	16.4	0.8	20	1	US-10-671-395-1220	Sequence 1220, Ap
c 200	16.4	0.8	25	1	US-10-098-263B-29384	Sequence 29384, A
c 201	16.2	0.8	21	1	US-09-932-300-98	Sequence 98, Appl
202	16.2	0.8	21	1	US-09-932-300-107	Sequence 107, App
203	16.2	0.8	22	1	US-09-918-696-23	Sequence 23, Appl
c 204	16.2	0.8	22	1	US-09-918-696-24	Sequence 24, Appl
c 205	16.2	0.8	22	1	US-10-017-621-5	Sequence 5, Appli
c 206	16	0.8	24	1	US-09-822-263-23	Sequence 23, Appl
207	16	0.8	24	1	US-09-850-514-39	Sequence 39, Appl
c 208	16	0.8	24	1	US-09-882-263-23	Sequence 23, Appl
209	16	0.8	24	1	US-10-085-906-21	Sequence 21, Appl
c 210	16	0.8	24	1	US-10-099-382-3	Sequence 3, Appli
c 211	16	0.8	24	1	US-10-466-369-11	Sequence 11, Appl
c 212	15.8	0.8	20	1	US-10-174-465-34	Sequence 34, Appl
c 213	15.8	0.8	20	1	US-10-348-431-34	Sequence 34, Appl
c 214	15.8	0.8	20	1	US-10-467-008-26	Sequence 26, Appl
c 215	15.8	0.8	22	1	US-10-418-251-30	Sequence 30, Appl
c 216	15.8	0.8	23	1	US-09-992-665-85	Sequence 85, Appl
c 217	15.8	0.8	23	1	US-10-356-736-42	Sequence 42, Appl
218	15.8	0.8	24	1	US-10-418-251-69	Sequence 69, Appl
c 219	15.6	0.7	22	1	US-09-848-990-19	Sequence 19, Appl
c 220	15.6	0.7	22	1	US-09-991-053-70	Sequence 70, Appl
c 221	15.6	0.7	22	1	US-09-957-187-70	Sequence 70, Appl
222	15.6	0.7	22	1	US-10-661-905-3	Sequence 3, Appli
223	15.6	0.7	22	1	US-10-134-873-3	Sequence 3, Appli
224	15.6	0.7	22	1	US-10-134-890-3	Sequence 3, Appli
c 225	15.6	0.7	22	1	US-10-178-325-197	Sequence 197, App
226	15.6	0.7	22	1	US-10-366-548-7	Sequence 7, Appli
c 227	15.6	0.7	24	1	US-09-895-040A-177	Sequence 177, App
c 228	15.6	0.7	24	1	US-09-785-548-26	Sequence 26, Appl
c 229	15.6	0.7	24	1	US-09-785-548-35	Sequence 35, Appl
c 230	15.6	0.7	24	1	US-09-940-185-3038	Sequence 3038, Ap
231	15.6	0.7	24	1	US-10-109-349A-55	Sequence 55, Appl
c 232	15.4	0.7	19	1	US-10-349-143-6129	Sequence 6129, Ap
233	15.4	0.7	20	1	US-09-967-464-59	Sequence 59, Appl
c 234	15.4	0.7	20	1	US-10-173-192-39	Sequence 39, Appl
235	15.4	0.7	20	1	US-10-173-192-64	Sequence 64, Appl
c 236	15.4	0.7	20	1	US-10-188-777-46	Sequence 46, Appl
237	15.4	0.7	20	1	US-10-188-777-107	Sequence 107, App
c 238	15.4	0.7	20	1	US-10-653-528-39	Sequence 39, Appl
239	15.4	0.7	20	1	US-10-653-528-64	Sequence 64, Appl
240	15.4	0.7	20	1	US-10-301-832-49	Sequence 49, Appl
c 241	15.4	0.7	20	1	US-10-301-832-125	Sequence 125, App
c 242	15.4	0.7	20	1	US-10-302-571-26	Sequence 26, Appl
c 243	15.4	0.7	20	1	US-10-303-325-70	Sequence 70, Appl
244	15.4	0.7	20	1	US-10-303-325-139	Sequence 139, App
245	15.4	0.7	20	1	US-10-671-395-511	Sequence 511, App
246	15.4	0.7	20	1	US-10-671-395-590	Sequence 590, App
247	15.4	0.7	20	1	US-10-671-395-855	Sequence 855, App
248	15.4	0.7	20	1	US-10-671-395-970	Sequence 970, App
c 249	15.4	0.7	20	1	US-10-671-395-1183	Sequence 1183, Ap
c 250	15.4	0.7	20	1	US-10-671-395-1311	Sequence 1311, Ap
251	15.4	0.7	20	1	US-10-745-377-239	Sequence 239, App
c 252	15.4	0.7	23	1	US-09-728-574-48	Sequence 48, Appl

	253	15.4	0.7	23	1	US-10-005-956-1201	Sequence 1201, Ap
c	254	15.4	0.7	23	1	US-10-196-842-15	Sequence 15, Appl
c	255	15.4	0.7	23	1	US-10-349-143-5835	Sequence 5835, Ap
c	256	15.2	0.7	20	1	US-09-205-658-4	Sequence 4, Appli
c	257	15.2	0.7	20	1	US-09-844-353A-4	Sequence 4, Appli
	258	15.2	0.7	20	1	US-09-906-158-107	Sequence 107, App
	259	15.2	0.7	20	1	US-09-967-669-44	Sequence 44, Appl
	260	15.2	0.7	20	1	US-09-953-318-97	Sequence 97, Appl
c	261	15.2	0.7	20	1	US-09-963-693-4	Sequence 4, Appli
c	262	15.2	0.7	20	1	US-10-247-799-7	Sequence 7, Appli
c	263	15.2	0.7	20	1	US-10-236-392-764	Sequence 764, App
	264	15.2	0.7	20	1	US-10-446-373-97	Sequence 97, Appl
c	265	15.2	0.7	20	1	US-10-219-329-23	Sequence 23, Appl
c	266	15.2	0.7	20	1	US-10-007-010-11	Sequence 11, Appl
c	267	15.2	0.7	20	1	US-10-017-621-19	Sequence 19, Appl
c	268	15.2	0.7	20	1	US-10-029-517-41	Sequence 41, Appl
c	269	15.2	0.7	20	1	US-10-204-254A-123	Sequence 123, App
	270	15.2	0.7	20	1	US-10-289-762-1484	Sequence 1484, Ap
	271	15.2	0.7	20	1	US-10-440-464-35	Sequence 35, Appl
c	272	15.2	0.7	20	1	US-10-304-109-40	Sequence 40, Appl
	273	15.2	0.7	20	1	US-10-304-109-115	Sequence 115, App
c	274	15.2	0.7	20	1	US-10-688-706-2589	Sequence 2589, Ap
c	275	15.2	0.7	20	1	US-10-688-706-2799	Sequence 2799, Ap
c	276	15.2	0.7	20	1	US-10-688-706-3013	Sequence 3013, Ap
c	277	15.2	0.7	20	1	US-10-467-008-31	Sequence 31, Appl
c	278	15.2	0.7	21	1	US-09-949-427-39	Sequence 39, Appl
c	279	15.2	0.7	21	1	US-09-978-600-14	Sequence 14, Appl
	280	15.2	0.7	21	1	US-10-416-111-18	Sequence 18, Appl
c	281	15.2	0.7	21	1	US-09-949-428-39	Sequence 39, Appl
	282	15.2	0.7	21	1	US-10-438-075-23	Sequence 23, Appl
	283	15.2	0.7	21	1	US-10-601-492-7	Sequence 7, Appli
	284	15.2	0.7	22	1	US-10-156-995-216	Sequence 216, App
	285	15.2	0.7	23	1	US-09-770-107-96	Sequence 96, Appl
	286	15.2	0.7	23	1	US-10-438-683-1	Sequence 1, Appli
c	287	15.2	0.7	23	1	US-10-382-239A-5	Sequence 5, Appli
c	288	15	0.7	20	1	US-09-791-942-47	Sequence 47, Appl
c	289	15	0.7	20	1	US-09-996-263-12	Sequence 12, Appl
c	290	15	0.7	20	1	US-10-057-550-22	Sequence 22, Appl
c	291	15	0.7	20	1	US-10-173-225B-22	Sequence 22, Appl
c	292	15	0.7	20	1	US-10-352-586-12	Sequence 12, Appl
c	293	15	0.7	20	1	US-10-415-463-47	Sequence 47, Appl
c	294	15	0.7	21	1	US-09-911-777-21	Sequence 21, Appl
c	295	15	0.7	21	1	US-10-045-574A-21	Sequence 21, Appl
	296	15	0.7	23	1	US-10-378-098A-72	Sequence 72, Appl
c	297	15	0.7	24	1	US-10-418-251-69	Sequence 69, Appl
	298	14.8	0.7	18	1	US-09-923-246-23	Sequence 23, Appl
	299	14.8	0.7	18	1	US-10-295-723-23	Sequence 23, Appl
	300	14.8	0.7	18	1	US-10-243-072-22	Sequence 22, Appl
	301	14.8	0.7	18	1	US-10-243-072-39	Sequence 39, Appl
	302	14.8	0.7	18	1	US-10-414-186-22	Sequence 22, Appl
	303	14.8	0.7	18	1	US-10-414-186-39	Sequence 39, Appl
	304	14.8	0.7	18	1	US-10-659-684-23	Sequence 23, Appl
c	305	14.8	0.7	19	1	US-09-305-856B-79	Sequence 79, Appl
c	306	14.8	0.7	19	1	US-10-247-159-79	Sequence 79, Appl
	307	14.8	0.7	19	1	US-10-665-951-164	Sequence 164, App
c	308	14.8	0.7	19	1	US-10-665-951-591	Sequence 591, App
	309	14.8	0.7	20	1	US-09-917-265-93	Sequence 93, Appl
c	310	14.8	0.7	20	1	US-09-939-581A-12	Sequence 12, Appl
	311	14.8	0.7	20	1	US-09-149-718-7	Sequence 7, Appli
c	312	14.8	0.7	20	1	US-09-888-049-15	Sequence 15, Appl
	313	14.8	0.7	20	1	US-09-954-556-51	Sequence 51, Appl
c	314	14.8	0.7	20	1	US-09-953-047-18	Sequence 18, Appl
c	315	14.8	0.7	20	1	US-09-915-814-159	Sequence 159, App
c	316	14.8	0.7	20	1	US-10-630-401-18	Sequence 18, Appl
c	317	14.8	0.7	20	1	US-09-771-357-42	Sequence 42, Appl
c	318	14.8	0.7	20	1	US-10-094-146-4	Sequence 4, Appli
	319	14.8	0.7	20	1	US-10-076-069-8	Sequence 8, Appli
	320	14.8	0.7	20	1	US-10-216-484-165	Sequence 165, App
c	321	14.8	0.7	20	1	US-10-059-579-42	Sequence 42, Appl
	322	14.8	0.7	20	1	US-10-384-933-165	Sequence 165, App
c	323	14.8	0.7	20	1	US-10-176-277-14	Sequence 14, Appl
	324	14.8	0.7	20	1	US-10-176-277-51	Sequence 51, Appl
c	325	14.8	0.7	20	1	US-10-289-762-1656	Sequence 1656, Ap
c	326	14.8	0.7	20	1	US-10-289-762-6144	Sequence 6144, Ap
c	327	14.8	0.7	20	1	US-10-280-183A-324	Sequence 324, App
	328	14.8	0.7	20	1	US-10-300-820-88	Sequence 88, Appl
c	329	14.8	0.7	20	1	US-10-300-820-160	Sequence 160, App
c	330	14.8	0.7	20	1	US-10-304-107-20	Sequence 20, Appl
c	331	14.8	0.7	20	1	US-10-688-706-2784	Sequence 2784, Ap
	332	14.8	0.7	20	1	US-10-316-389-76	Sequence 76, Appl
c	333	14.8	0.7	20	1	US-10-316-389-136	Sequence 136, App
c	334	14.8	0.7	20	1	US-10-317-249-61	Sequence 61, Appl
	335	14.8	0.7	20	1	US-10-317-249-138	Sequence 138, App
c	336	14.8	0.7	21	1	US-09-434-066-15	Sequence 15, Appl
	337	14.8	0.7	21	1	US-09-934-332-11	Sequence 11, Appl
c	338	14.8	0.7	21	1	US-09-992-665-185	Sequence 185, App
	339	14.8	0.7	21	1	US-09-998-027-169	Sequence 169, App
c	340	14.8	0.7	21	1	US-10-618-540-34	Sequence 34, Appl
c	341	14.8	0.7	21	1	US-09-771-357-31	Sequence 31, Appl
c	342	14.8	0.7	21	1	US-10-059-579-31	Sequence 31, Appl
	343	14.8	0.7	21	1	US-10-165-099-169	Sequence 169, App
c	344	14.8	0.7	21	1	US-10-349-143-10680	Sequence 10680, A
c	345	14.8	0.7	21	1	US-10-280-183A-326	Sequence 326, App
c	346	14.8	0.7	21	1	US-10-755-889-697	Sequence 697, App
	347	14.8	0.7	22	1	US-09-050-516-32	Sequence 32, Appl
	348	14.8	0.7	22	1	US-10-072-012-1363	Sequence 1363, Ap
	349	14.8	0.7	22	1	US-10-646-873-32	Sequence 32, Appl
	350	14.8	0.7	22	1	US-10-278-547-32	Sequence 32, Appl
	351	14.8	0.7	22	1	US-10-444-748-15	Sequence 15, Appl
	352	14.8	0.7	22	1	US-10-422-466-46	Sequence 46, Appl
	353	14.8	0.7	22	1	US-10-422-466-77	Sequence 77, Appl
	354	14.8	0.7	22	1	US-10-316-232-5	Sequence 5, Appli
	355	14.8	0.7	22	1	US-10-679-064-10	Sequence 10, Appl
	356	14.6	0.7	21	1	US-09-804-551B-89	Sequence 89, Appl
	357	14.6	0.7	21	1	US-09-860-784-63	Sequence 63, Appl
	358	14.6	0.7	21	1	US-09-766-450-14	Sequence 14, Appl
	359	14.6	0.7	21	1	US-09-932-300-109	Sequence 109, App
c	360	14.6	0.7	21	1	US-09-932-300-111	Sequence 111, App
c	361	14.6	0.7	21	1	US-10-005-956-520	Sequence 520, App
	362	14.6	0.7	21	1	US-10-386-243-6	Sequence 6, Appli
	363	14.6	0.7	21	1	US-10-349-143-9046	Sequence 9046, Ap
	364	14.6	0.7	21	1	US-10-444-795B-484	Sequence 484, App
	365	14.6	0.7	21	1	US-10-646-436-51	Sequence 51, Appl
c	366	14.6	0.7	21	1	US-10-633-008-35	Sequence 35, Appl
c	367	14.6	0.7	22	1	US-09-931-087A-25	Sequence 25, Appl
	368	14.6	0.7	22	1	US-09-789-390-54	Sequence 54, Appl
c	369	14.6	0.7	22	1	US-10-103-140-8	Sequence 8, Appli
c	370	14.6	0.7	22	1	US-10-138-842A-28	Sequence 28, Appl
c	371	14.6	0.7	22	1	US-10-032-585-5585	Sequence 5585, Ap
c	372	14.6	0.7	22	1	US-10-062-923-25	Sequence 25, Appl
c	373	14.6	0.7	22	1	US-10-039-112-28	Sequence 28, Appl
c	374	14.6	0.7	22	1	US-10-095-373A-57	Sequence 57, Appl
c	375	14.6	0.7	22	1	US-10-370-749-1	Sequence 1, Appli
	376	14.6	0.7	22	1	US-10-374-077-1	Sequence 1, Appli
	377	14.6	0.7	22	1	US-10-374-077-167	Sequence 167, App
c	378	14.6	0.7	22	1	US-10-085-198-419	Sequence 419, App
	379	14.6	0.7	22	1	US-10-239-504-33	Sequence 33, Appl
c	380	14.4	0.7	16	1	US-09-935-868-3	Sequence 3, Appli
c	381	14.4	0.7	16	1	US-10-287-035-3	Sequence 3, Appli
c	382	14.4	0.7	16	1	US-10-282-162-3	Sequence 3, Appli
	383	14.4	0.7	16	1	US-10-138-674-5827	Sequence 5827, Ap
	384	14.4	0.7	16	1	US-10-287-949A-5827	Sequence 5827, Ap
c	385	14.4	0.7	17	1	US-09-866-108-971	Sequence 971, App
c	386	14.4	0.7	17	1	US-09-866-108-972	Sequence 972, App
c	387	14.4	0.7	17	1	US-09-866-108-8945	Sequence 8945, Ap
c	388	14.4	0.7	17	1	US-09-866-108-8946	Sequence 8946, Ap
	389	14.4	0.7	17	1	US-09-780-533A-1358	Sequence 1358, Ap
c	390	14.4	0.7	17	1	US-09-780-164-387	Sequence 387, App
c	391	14.4	0.7	17	1	US-09-780-164-966	Sequence 966, App
c	392	14.4	0.7	17	1	US-09-740-332-528	Sequence 528, App
	393	14.4	0.7	17	1	US-09-740-332-4027	Sequence 4027, Ap
c	394	14.4	0.7	17	1	US-09-817-879-528	Sequence 528, App
	395	14.4	0.7	17	1	US-09-817-879-4027	Sequence 4027, Ap
	396	14.4	0.7	17	1	US-10-138-674-4754	Sequence 4754, Ap
	397	14.4	0.7	17	1	US-10-138-674-7632	Sequence 7632, Ap
	398	14.4	0.7	17	1	US-10-287-949A-4754	Sequence 4754, Ap

	399	14.4	0.7	17	1	US-10-287-949A-7632	Sequence 7632, Ap
c	400	14.4	0.7	17	1	US-10-669-841-3121	Sequence 3121, Ap
	401	14.4	0.7	17	1	US-10-669-841-6620	Sequence 6620, Ap
c	402	14.4	0.7	17	1	US-10-723-361-971	Sequence 971, App
c	403	14.4	0.7	17	1	US-10-723-361-972	Sequence 972, App
c	404	14.4	0.7	17	1	US-10-723-361-8945	Sequence 8945, Ap
c	405	14.4	0.7	17	1	US-10-723-361-8946	Sequence 8946, Ap
c	406	14.4	0.7	18	1	US-09-861-779-4	Sequence 4, Appli
c	407	14.4	0.7	18	1	US-10-636-716-4	Sequence 4, Appli
	408	14.4	0.7	18	1	US-10-269-557-46	Sequence 46, Appl
	409	14.4	0.7	18	1	US-10-367-438-165	Sequence 165, App
	410	14.4	0.7	18	1	US-10-349-143-9179	Sequence 9179, Ap
c	411	14.4	0.7	19	1	US-10-117-586C-74	Sequence 74, Appl
c	412	14.4	0.7	19	1	US-10-349-143-6157	Sequence 6157, Ap
	413	14.4	0.7	20	1	US-09-263-959-1047	Sequence 1047, Ap
	414	14.4	0.7	20	1	US-09-903-327A-18	Sequence 18, Appl
c	415	14.4	0.7	20	1	US-09-972-469-12	Sequence 12, Appl
c	416	14.4	0.7	20	1	US-09-776-479-366	Sequence 366, App
c	417	14.4	0.7	20	1	US-09-776-479-366	Sequence 366, App
c	418	14.4	0.7	20	1	US-10-663-241-43	Sequence 43, Appl
c	419	14.4	0.7	20	1	US-10-333-429-512	Sequence 512, App
c	420	14.4	0.7	20	1	US-10-187-975-135	Sequence 135, App
c	421	14.4	0.7	20	1	US-10-314-578-366	Sequence 366, App
c	422	14.4	0.7	20	1	US-10-112-653-354	Sequence 354, App
c	423	14.4	0.7	20	1	US-10-017-995-366	Sequence 366, App
	424	14.4	0.7	20	1	US-10-012-984-33	Sequence 33, Appl
c	425	14.4	0.7	20	1	US-10-029-517-92	Sequence 92, Appl
c	426	14.4	0.7	20	1	US-10-349-143-10071	Sequence 10071, A
	427	14.4	0.7	20	1	US-10-372-719-5	Sequence 5, Appli
	428	14.4	0.7	20	1	US-10-289-762-6177	Sequence 6177, Ap
	429	14.4	0.7	20	1	US-10-673-523-33	Sequence 33, Appl
	430	14.4	0.7	20	1	US-10-671-395-440	Sequence 440, App
	431	14.4	0.7	20	1	US-10-671-395-919	Sequence 919, App
c	432	14.4	0.7	20	1	US-10-671-395-1063	Sequence 1063, Ap
c	433	14.4	0.7	20	1	US-10-671-395-1335	Sequence 1335, Ap
	434	14.4	0.7	21	1	US-10-307-817-506	Sequence 506, App
c	435	14.4	0.7	21	1	US-10-375-597-2	Sequence 2, Appli
c	436	14.4	0.7	21	1	US-10-252-155-556	Sequence 556, App
c	437	14.4	0.7	21	1	US-10-252-155-557	Sequence 557, App
	438	14.4	0.7	21	1	US-10-208-155-16	Sequence 16, Appl
c	439	14.4	0.7	21	1	US-10-349-143-10830	Sequence 10830, A
c	440	14.4	0.7	22	1	US-10-336-603A-149	Sequence 149, App
c	441	14.4	0.7	22	1	US-10-336-603A-152	Sequence 152, App
c	442	14.4	0.7	22	1	US-10-055-569A-128	Sequence 128, App
c	443	14.4	0.7	22	1	US-10-055-569A-131	Sequence 131, App
c	444	14.4	0.7	24	1	US-10-085-906-21	Sequence 21, Appl
c	445	14.2	0.7	19	1	US-09-305-856B-77	Sequence 77, Appl
c	446	14.2	0.7	19	1	US-10-189-359-16	Sequence 16, Appl
c	447	14.2	0.7	19	1	US-10-247-159-77	Sequence 77, Appl
	448	14.2	0.7	19	1	US-10-225-023-301	Sequence 301, App
c	449	14.2	0.7	19	1	US-10-225-023-1039	Sequence 1039, Ap
	450	14.2	0.7	19	1	US-10-367-438-214	Sequence 214, App
	451	14.2	0.7	19	1	US-10-367-438-262	Sequence 262, App
	452	14.2	0.7	19	1	US-10-349-143-11276	Sequence 11276, A
	453	14.2	0.7	19	1	US-10-444-795B-485	Sequence 485, App
c	454	14.2	0.7	19	1	US-10-444-795B-486	Sequence 486, App
c	455	14.2	0.7	19	1	US-10-665-951-80	Sequence 80, Appl
	456	14.2	0.7	19	1	US-10-665-951-507	Sequence 507, App
c	457	14.2	0.7	19	1	US-10-665-951-2266	Sequence 2266, Ap
c	458	14.2	0.7	19	1	US-10-665-951-2267	Sequence 2267, Ap
c	459	14.2	0.7	20	1	US-09-825-497-6	Sequence 6, Appli
c	460	14.2	0.7	20	1	US-09-817-014-119	Sequence 119, App
c	461	14.2	0.7	20	1	US-09-817-014-126	Sequence 126, App
	462	14.2	0.7	20	1	US-09-972-469-172	Sequence 172, App
c	463	14.2	0.7	20	1	US-09-802-110B-179	Sequence 179, App
c	464	14.2	0.7	20	1	US-09-296-264-22	Sequence 22, Appl
	465	14.2	0.7	20	1	US-09-920-394-53	Sequence 53, Appl
c	466	14.2	0.7	20	1	US-09-851-871-178	Sequence 178, App
c	467	14.2	0.7	20	1	US-10-189-818B-23	Sequence 23, Appl
c	468	14.2	0.7	20	1	US-10-016-248-113	Sequence 113, App
c	469	14.2	0.7	20	1	US-10-380-127A-45	Sequence 45, Appl
	470	14.2	0.7	20	1	US-09-984-637-4	Sequence 4, Appli
	471	14.2	0.7	20	1	US-10-622-206-1	Sequence 1, Appli
c	472	14.2	0.7	20	1	US-10-380-124-22	Sequence 22, Appl
	473	14.2	0.7	20	1	US-09-923-517-78	Sequence 78, Appl
c	474	14.2	0.7	20	1	US-09-923-517-95	Sequence 95, Appl
c	475	14.2	0.7	20	1	US-09-754-106-65	Sequence 65, Appl
	476	14.2	0.7	20	1	US-10-181-856-14	Sequence 14, Appl
c	477	14.2	0.7	20	1	US-10-144-140-71	Sequence 71, Appl
	478	14.2	0.7	20	1	US-10-383-614-27	Sequence 27, Appl
c	479	14.2	0.7	20	1	US-10-127-391-18	Sequence 18, Appl
	480	14.2	0.7	20	1	US-10-126-611-29	Sequence 29, Appl
	481	14.2	0.7	20	1	US-10-126-611-30	Sequence 30, Appl
c	482	14.2	0.7	20	1	US-10-181-846-151	Sequence 151, App
c	483	14.2	0.7	20	1	US-10-145-493B-71	Sequence 71, Appl
c	484	14.2	0.7	20	1	US-10-145-493B-88	Sequence 88, Appl
c	485	14.2	0.7	20	1	US-10-003-919-72	Sequence 72, Appl
c	486	14.2	0.7	20	1	US-10-279-186-16	Sequence 16, Appl
	487	14.2	0.7	20	1	US-10-024-396-85	Sequence 85, Appl
c	488	14.2	0.7	20	1	US-10-241-332-18	Sequence 18, Appl
c	489	14.2	0.7	20	1	US-10-187-253A-61	Sequence 61, Appl
	490	14.2	0.7	20	1	US-10-108-732-20	Sequence 20, Appl
	491	14.2	0.7	20	1	US-10-053-645A-26	Sequence 26, Appl
c	492	14.2	0.7	20	1	US-10-238-442-100	Sequence 100, App
c	493	14.2	0.7	20	1	US-10-214-670-26	Sequence 26, Appl
	494	14.2	0.7	20	1	US-10-430-196-78	Sequence 78, Appl
c	495	14.2	0.7	20	1	US-10-430-196-95	Sequence 95, Appl
c	496	14.2	0.7	20	1	US-10-056-229-120	Sequence 120, App
c	497	14.2	0.7	20	1	US-10-056-229-127	Sequence 127, App
	498	14.2	0.7	20	1	US-10-054-435-3	Sequence 3, Appli
c	499	14.2	0.7	20	1	US-10-438-075-5	Sequence 5, Appli
c	500	14.2	0.7	20	1	US-10-358-851-8	Sequence 8, Appli
c	501	14.2	0.7	20	1	US-10-323-069A-41	Sequence 41, Appl
	502	14.2	0.7	20	1	US-10-159-856-24	Sequence 24, Appl
c	503	14.2	0.7	20	1	US-10-173-192-13	Sequence 13, Appl
c	504	14.2	0.7	20	1	US-10-173-192-15	Sequence 15, Appl
c	505	14.2	0.7	20	1	US-10-173-192-20	Sequence 20, Appl
c	506	14.2	0.7	20	1	US-10-173-192-23	Sequence 23, Appl
c	507	14.2	0.7	20	1	US-10-173-192-31	Sequence 31, Appl
c	508	14.2	0.7	20	1	US-10-173-192-40	Sequence 40, Appl
	509	14.2	0.7	20	1	US-10-173-192-51	Sequence 51, Appl
	510	14.2	0.7	20	1	US-10-173-192-53	Sequence 53, Appl
	511	14.2	0.7	20	1	US-10-173-192-55	Sequence 55, Appl
	512	14.2	0.7	20	1	US-10-173-192-65	Sequence 65, Appl
	513	14.2	0.7	20	1	US-10-271-602B-12	Sequence 12, Appl
	514	14.2	0.7	20	1	US-10-271-602B-32	Sequence 32, Appl
	515	14.2	0.7	20	1	US-10-289-762-2212	Sequence 2212, Ap
	516	14.2	0.7	20	1	US-10-289-762-4965	Sequence 4965, Ap
	517	14.2	0.7	20	1	US-10-289-762-5034	Sequence 5034, Ap
	518	14.2	0.7	20	1	US-10-289-762-6815	Sequence 6815, Ap
c	519	14.2	0.7	20	1	US-10-352-179-72	Sequence 72, Appl
c	520	14.2	0.7	20	1	US-10-444-206-178	Sequence 178, App
c	521	14.2	0.7	20	1	US-10-272-727-84	Sequence 84, Appl
c	522	14.2	0.7	20	1	US-10-272-811-84	Sequence 84, Appl
c	523	14.2	0.7	20	1	US-10-653-528-13	Sequence 13, Appl
c	524	14.2	0.7	20	1	US-10-653-528-15	Sequence 15, Appl
c	525	14.2	0.7	20	1	US-10-653-528-20	Sequence 20, Appl
c	526	14.2	0.7	20	1	US-10-653-528-23	Sequence 23, Appl
c	527	14.2	0.7	20	1	US-10-653-528-31	Sequence 31, Appl
c	528	14.2	0.7	20	1	US-10-653-528-40	Sequence 40, Appl
	529	14.2	0.7	20	1	US-10-653-528-51	Sequence 51, Appl
	530	14.2	0.7	20	1	US-10-653-528-53	Sequence 53, Appl
	531	14.2	0.7	20	1	US-10-653-528-55	Sequence 55, Appl
	532	14.2	0.7	20	1	US-10-653-528-65	Sequence 65, Appl
c	533	14.2	0.7	20	1	US-10-293-869-20	Sequence 20, Appl
	534	14.2	0.7	20	1	US-10-293-869-56	Sequence 56, Appl
c	535	14.2	0.7	20	1	US-10-298-354-25	Sequence 25, Appl
	536	14.2	0.7	20	1	US-10-298-354-60	Sequence 60, Appl
c	537	14.2	0.7	20	1	US-10-303-587-41	Sequence 41, Appl
	538	14.2	0.7	20	1	US-10-303-587-71	Sequence 71, Appl
c	539	14.2	0.7	20	1	US-10-688-706-2382	Sequence 2382, Ap
c	540	14.2	0.7	20	1	US-10-688-706-2744	Sequence 2744, Ap
	541	14.2	0.7	20	1	US-10-316-243-72	Sequence 72, Appl
c	542	14.2	0.7	20	1	US-10-316-243-149	Sequence 149, App
c	543	14.2	0.7	20	1	US-10-451-923-17	Sequence 17, Appl
c	544	14.2	0.7	20	1	US-10-319-914-31	Sequence 31, Appl

	545	14.2	0.7	20	1	US-10-319-914-109
c	546	14.2	0.7	20	1	US-10-625-414-6
c	547	14.2	0.7	20	1	US-10-641-455A-100
	548	14.2	0.7	21	1	US-09-765-081-247
	549	14.2	0.7	21	1	US-09-765-081-449
c	550	14.2	0.7	21	1	US-09-888-326-208
c	551	14.2	0.7	21	1	US-09-927-463-2
c	552	14.2	0.7	21	1	US-09-968-362-13
c	553	14.2	0.7	21	1	US-09-932-812-13
c	554	14.2	0.7	21	1	US-09-776-479-779
c	555	14.2	0.7	21	1	US-09-776-479-779
c	556	14.2	0.7	21	1	US-09-754-106-113
c	557	14.2	0.7	21	1	US-10-314-578-779
c	558	14.2	0.7	21	1	US-10-112-653-752
c	559	14.2	0.7	21	1	US-10-085-906-460
c	560	14.2	0.7	21	1	US-10-017-995-779
c	561	14.2	0.7	21	1	US-10-005-956-788
c	562	14.2	0.7	21	1	US-10-005-956-789
c	563	14.2	0.7	21	1	US-10-005-956-1038
c	564	14.2	0.7	21	1	US-10-184-085A-443
c	565	14.2	0.7	21	1	US-10-096-578-13
c	566	14.2	0.7	21	1	US-10-025-145A-62
c	567	14.2	0.7	21	1	US-10-136-728-90
c	568	14.2	0.7	21	1	US-10-277-216-97
c	569	14.2	0.7	21	1	US-10-349-143-5690
	570	14.2	0.7	21	1	US-10-349-143-6821
c	571	14.2	0.7	21	1	US-10-126-022-97
	572	14.2	0.7	21	1	US-10-444-795B-487
c	573	14.2	0.7	21	1	US-10-444-795B-488
	574	14.2	0.7	21	1	US-10-619-284A-40
	575	14.2	0.7	21	1	US-10-383-864-61
c	576	14.2	0.7	21	1	US-10-381-906-22
c	577	14.2	0.7	21	1	US-10-665-951-2375
c	578	14.2	0.7	21	1	US-10-665-951-2376
	579	14.2	0.7	21	1	US-10-665-951-2387
	580	14.2	0.7	21	1	US-10-665-951-2388
	581	14	0.7	15	1	US-10-056-414-258
	582	14	0.7	17	1	US-09-864-785-243
	583	14	0.7	17	1	US-09-864-785-2072
c	584	14	0.7	18	1	US-08-591-486B-67
	585	14	0.7	19	1	US-10-367-438-201
c	586	14	0.7	19	1	US-10-025-806-134
c	587	14	0.7	20	1	US-10-380-124-44
	588	14	0.7	20	1	US-10-181-874-27
c	589	14	0.7	20	1	US-10-126-355-34
	590	14	0.7	20	1	US-10-289-762-1984
c	591	14	0.7	20	1	US-10-671-395-1002
c	592	14	0.7	20	1	US-10-671-395-1022
c	593	14	0.7	21	1	US-10-002-623-909
c	594	14	0.7	21	1	US-10-391-808-5
	595	14	0.7	21	1	US-10-451-126A-75
	596	13.8	0.7	17	1	US-09-866-108-6562
	597	13.8	0.7	17	1	US-09-866-108-7084
	598	13.8	0.7	17	1	US-09-866-108-8667
	599	13.8	0.7	17	1	US-09-866-108-8668
c	600	13.8	0.7	17	1	US-09-866-108-8944
c	601	13.8	0.7	17	1	US-09-866-108-8947
	602	13.8	0.7	17	1	US-09-961-077-678
	603	13.8	0.7	17	1	US-09-961-077-886
c	604	13.8	0.7	17	1	US-09-877-478-438
	605	13.8	0.7	17	1	US-09-848-754A-3128
c	606	13.8	0.7	17	1	US-09-930-423-1322
c	607	13.8	0.7	17	1	US-09-827-395A-723
c	608	13.8	0.7	17	1	US-09-740-332-1709
	609	13.8	0.7	17	1	US-09-740-332-1724
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	611	13.8	0.7	17	1	US-09-740-332-2846
	612	13.8	0.7	17	1	US-09-740-332-4133
	613	13.8	0.7	17	1	US-09-792-818-95
c	614	13.8	0.7	17	1	US-09-745-237A-1322
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	616	13.8	0.7	17	1	US-09-817-879-1724
c	617	13.8	0.7	17	1	US-09-817-879-2831

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	623	13.8	0.7	17	1	US-10-060-756A-588
	624	13.8	0.7	17	1	US-10-060-756A-589
	625	13.8	0.7	17	1	US-10-060-756A-590
	626	13.8	0.7	17	1	US-10-060-756A-591
	627	13.8	0.7	17	1	US-10-060-756A-1859
	628	13.8	0.7	17	1	US-10-060-756A-1860
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	630	13.8	0.7	17	1	US-10-163-552-559
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	636	13.8	0.7	17	1	US-10-238-700-3037
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	639	13.8	0.7	17	1	US-10-339-793-94
	640	13.8	0.7	17	1	US-10-138-674-947
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	654	13.8	0.7	17	1	US-10-287-949A-4757
	655	13.8	0.7	17	1	US-10-287-949A-4758
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	665	13.8	0.7	17	1	US-10-669-841-6726
	666	13.8	0.7	17	1	US-10-723-361-6562
	667	13.8	0.7	17	1	US-10-723-361-7084
	668	13.8	0.7	17	1	US-10-723-361-8667
	669	13.8	0.7	17	1	US-10-723-361-8668
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	676	13.8	0.7	18	1	US-09-925-388-15
	677	13.8	0.7	18	1	US-09-913-514-20
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	683	13.8	0.7	18	1	US-10-431-846-15
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	687	13.8	0.7	18	1	US-10-682-845-35
	688	13.8	0.7	19	1	US-09-018-125-9
c	689	13.8	0.7	19	1	US-09-864-636A-2484
c	690	13.8	0.7	19	1	US-09-864-426A-2484

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	694	13.8	0.7	19	1	US-10-126-704-106	Sequence 106, App
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	698	13.8	0.7	19	1	US-10-225-023-345	Sequence 345, App
	699	13.8	0.7	19	1	US-10-225-023-373	Sequence 373, App
	700	13.8	0.7	19	1	US-10-225-023-399	Sequence 399, App
	701	13.8	0.7	19	1	US-10-225-023-613	Sequence 613, App
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	712	13.8	0.7	19	1	US-10-244-647-1082	Sequence 1082, Ap
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	714	13.8	0.7	19	1	US-10-244-647-1154	Sequence 1154, Ap
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	723	13.8	0.7	19	1	US-10-665-951-770	Sequence 770, App
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	730	13.8	0.7	20	1	US-09-863-806-85	Sequence 85, Appl
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	736	13.8	0.7	20	1	US-09-828-344-73	Sequence 73, Appl
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	749	13.8	0.7	20	1	US-10-619-220-174	Sequence 174, App
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	787	13.8	0.7	20	1	US-10-210-838-134	Sequence 134, App
	788	13.8	0.7	20	1	US-10-280-183A-40	Sequence 40, Appl
	789	13.8	0.7	20	1	US-10-280-183A-524	Sequence 524, App
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	793	13.8	0.7	20	1	US-10-293-869-60	Sequence 60, Appl
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	797	13.8	0.7	20	1	US-10-317-280-98	Sequence 98, Appl
	798	13.8	0.7	20	1	US-10-317-500-69	Sequence 69, Appl
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	800	13.8	0.7	20	1	US-10-317-803-223	Sequence 223, App
	801	13.8	0.7	20	1	US-10-181-174B-36	Sequence 36, Appl
	802	13.8	0.7	20	1	US-10-671-395-734	Sequence 734, App
	803	13.8	0.7	20	1	US-10-671-395-735	Sequence 735, App
	804	13.8	0.7	20	1	US-10-671-395-999	Sequence 999, App
	805	13.8	0.7	20	1	US-10-671-395-1006	Sequence 1006, Ap
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	809	13.8	0.7	21	1	US-09-860-784-61	Sequence 61, Appl
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c	811	13.8	0.7	21	1	US-10-252-155-510	Sequence 510, App
	812	13.8	0.7	21	1	US-10-090-378-7	Sequence 7, Appli
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	815	13.8	0.7	21	1	US-10-364-029-19	Sequence 19, Appl
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	820	13.8	0.7	21	1	US-10-642-763-17	Sequence 17, Appl
	821	13.8	0.7	21	1	US-10-344-124-34	Sequence 34, Appl
c	822	13.8	0.7	21	1	US-10-605-498-73	Sequence 73, Appl
	823	13.8	0.7	21	1	US-10-627-253A-291	Sequence 291, App
c	824	13.8	0.7	21	1	US-10-627-253A-292	Sequence 292, App
	825	13.6	0.7	20	1	US-08-983-605-432	Sequence 432, App
c	826	13.6	0.7	20	1	US-09-734-846-35	Sequence 35, Appl
	827	13.6	0.7	20	1	US-09-802-669-151	Sequence 151, App
c	828	13.6	0.7	20	1	US-09-482-520-5	Sequence 5, Appli
c	829	13.6	0.7	20	1	US-09-734-847A-46	Sequence 46, Appl
c	830	13.6	0.7	20	1	US-09-854-883-233	Sequence 233, App
	831	13.6	0.7	20	1	US-09-800-631-31	Sequence 31, Appl
c	832	13.6	0.7	20	1	US-09-752-639-123	Sequence 123, App
c	833	13.6	0.7	20	1	US-09-984-198-123	Sequence 123, App
c	834	13.6	0.7	20	1	US-09-810-157-5	Sequence 5, Appli
	835	13.6	0.7	20	1	US-09-800-629A-44	Sequence 44, Appl
	836	13.6	0.7	20	1	US-09-800-629A-67	Sequence 67, Appl

	837	13.6	0.7	20	1	US-09-969-373-3498 Sequence 3498, Ap
	838	13.6	0.7	20	1	US-09-918-186A-183 Sequence 183, App
c	839	13.6	0.7	20	1	US-09-049-695A-11 Sequence 11, Appl
c	840	13.6	0.7	20	1	US-09-791-406-56 Sequence 56, Appl
c	841	13.6	0.7	20	1	US-09-263-959-989 Sequence 989, App
c	842	13.6	0.7	20	1	US-09-263-959-1075 Sequence 1075, Ap
	843	13.6	0.7	20	1	US-09-904-968A-105 Sequence 105, App
	844	13.6	0.7	20	1	US-09-824-322B-69 Sequence 69, Appl
	845	13.6	0.7	20	1	US-09-824-322B-153 Sequence 153, App
c	846	13.6	0.7	20	1	US-09-824-322B-244 Sequence 244, App
c	847	13.6	0.7	20	1	US-09-824-322B-493 Sequence 493, App
c	848	13.6	0.7	20	1	US-09-931-375A-23 Sequence 23, Appl
	849	13.6	0.7	20	1	US-09-802-640-107 Sequence 107, App
	850	13.6	0.7	20	1	US-09-784-674-149 Sequence 149, App
	851	13.6	0.7	20	1	US-09-784-674-150 Sequence 150, App
	852	13.6	0.7	20	1	US-09-784-674-592 Sequence 592, App
	853	13.6	0.7	20	1	US-09-784-674-593 Sequence 593, App
c	854	13.6	0.7	20	1	US-09-865-993-29 Sequence 29, Appl
c	855	13.6	0.7	20	1	US-09-865-993-42 Sequence 42, Appl
c	856	13.6	0.7	20	1	US-09-915-485-65 Sequence 65, Appl
	857	13.6	0.7	20	1	US-09-935-316-9 Sequence 9, Appli
c	858	13.6	0.7	20	1	US-09-953-047-22 Sequence 22, Appl
c	859	13.6	0.7	20	1	US-09-998-027-164 Sequence 164, App
	860	13.6	0.7	20	1	US-09-902-953-9 Sequence 9, Appli
c	861	13.6	0.7	20	1	US-09-953-318-66 Sequence 66, Appl
	862	13.6	0.7	20	1	US-09-953-318-151 Sequence 151, App
	863	13.6	0.7	20	1	US-09-944-493-9 Sequence 9, Appli
	864	13.6	0.7	20	1	US-09-976-782-72 Sequence 72, Appl
	865	13.6	0.7	20	1	US-10-619-220-151 Sequence 151, App
c	866	13.6	0.7	20	1	US-10-264-958B-10 Sequence 10, Appl
	867	13.6	0.7	20	1	US-10-380-125-25 Sequence 25, Appl
c	868	13.6	0.7	20	1	US-10-630-401-22 Sequence 22, Appl
	869	13.6	0.7	20	1	US-10-380-124-21 Sequence 21, Appl
c	870	13.6	0.7	20	1	US-10-276-566B-9 Sequence 9, Appli
c	871	13.6	0.7	20	1	US-10-655-847-143 Sequence 143, App
	872	13.6	0.7	20	1	US-10-655-847-276 Sequence 276, App
c	873	13.6	0.7	20	1	US-09-888-361-57 Sequence 57, Appl
c	874	13.6	0.7	20	1	US-09-754-106-71 Sequence 71, Appl
c	875	13.6	0.7	20	1	US-10-160-807-143 Sequence 143, App
	876	13.6	0.7	20	1	US-10-160-807-276 Sequence 276, App
	877	13.6	0.7	20	1	US-10-161-996-113 Sequence 113, App
c	878	13.6	0.7	20	1	US-10-161-996-237 Sequence 237, App
	879	13.6	0.7	20	1	US-10-181-316-183 Sequence 183, App
	880	13.6	0.7	20	1	US-10-246-091-20 Sequence 20, Appl
c	881	13.6	0.7	20	1	US-10-316-175-3 Sequence 3, Appli
c	882	13.6	0.7	20	1	US-10-446-373-66 Sequence 66, Appl
	883	13.6	0.7	20	1	US-10-446-373-151 Sequence 151, App
	884	13.6	0.7	20	1	US-10-403-902A-107 Sequence 107, App
c	885	13.6	0.7	20	1	US-10-010-066-48 Sequence 48, Appl
	886	13.6	0.7	20	1	US-10-017-736-5 Sequence 5, Appli
	887	13.6	0.7	20	1	US-10-071-822A-9 Sequence 9, Appli
	888	13.6	0.7	20	1	US-10-029-598-52 Sequence 52, Appl
c	889	13.6	0.7	20	1	US-10-113-824-6 Sequence 6, Appli
c	890	13.6	0.7	20	1	US-10-181-107-99 Sequence 99, Appl
	891	13.6	0.7	20	1	US-10-181-177-49 Sequence 49, Appl
c	892	13.6	0.7	20	1	US-10-181-846-69 Sequence 69, Appl
	893	13.6	0.7	20	1	US-10-238-443-73 Sequence 73, Appl
	894	13.6	0.7	20	1	US-10-271-887-87 Sequence 87, Appl
	895	13.6	0.7	20	1	US-10-271-887-165 Sequence 165, App
c	896	13.6	0.7	20	1	US-10-161-803-2 Sequence 2, Appli
c	897	13.6	0.7	20	1	US-10-006-430-35 Sequence 35, Appl
	898	13.6	0.7	20	1	US-10-279-186-20 Sequence 20, Appl
	899	13.6	0.7	20	1	US-10-309-362-73 Sequence 73, Appl
c	900	13.6	0.7	20	1	US-10-006-366-40 Sequence 40, Appl
	901	13.6	0.7	20	1	US-10-006-911-12 Sequence 12, Appl
c	902	13.6	0.7	20	1	US-10-010-002-79 Sequence 79, Appl
	903	13.6	0.7	20	1	US-10-293-783-31 Sequence 31, Appl
c	904	13.6	0.7	20	1	US-10-281-479A-18 Sequence 18, Appl
	905	13.6	0.7	20	1	US-10-281-479A-20 Sequence 20, Appl
c	906	13.6	0.7	20	1	US-10-006-191-69 Sequence 69, Appl
	907	13.6	0.7	20	1	US-10-227-988A-12 Sequence 12, Appl
	908	13.6	0.7	20	1	US-10-348-485-14 Sequence 14, Appl
	909	13.6	0.7	20	1	US-10-083-246A-118 Sequence 118, App
	910	13.6	0.7	20	1	US-10-220-564-3 Sequence 3, Appli
	911	13.6	0.7	20	1	US-10-240-689-31 Sequence 31, Appl
c	912	13.6	0.7	20	1	US-10-289-757-215 Sequence 215, App
c	913	13.6	0.7	20	1	US-10-165-099-164 Sequence 164, App
c	914	13.6	0.7	20	1	US-10-275-180A-18 Sequence 18, Appl
	915	13.6	0.7	20	1	US-10-275-180A-20 Sequence 20, Appl
c	916	13.6	0.7	20	1	US-10-302-262-35 Sequence 35, Appl
c	917	13.6	0.7	20	1	US-10-286-132A-18 Sequence 18, Appl
	918	13.6	0.7	20	1	US-10-286-132A-20 Sequence 20, Appl
c	919	13.6	0.7	20	1	US-10-360-510-233 Sequence 233, App
	920	13.6	0.7	20	1	US-10-388-263-679 Sequence 679, App
	921	13.6	0.7	20	1	US-10-159-834-70 Sequence 70, Appl
c	922	13.6	0.7	20	1	US-10-159-834-125 Sequence 125, App
	923	13.6	0.7	20	1	US-10-174-771-69 Sequence 69, Appl
c	924	13.6	0.7	20	1	US-10-174-771-138 Sequence 138, App
c	925	13.6	0.7	20	1	US-10-408-692-34 Sequence 34, Appl
	926	13.6	0.7	20	1	US-10-174-319-5 Sequence 5, Appli
c	927	13.6	0.7	20	1	US-10-175-239-38 Sequence 38, Appl
	928	13.6	0.7	20	1	US-10-175-239-73 Sequence 73, Appl
c	929	13.6	0.7	20	1	US-10-173-192-12 Sequence 12, Appl
c	930	13.6	0.7	20	1	US-10-173-192-14 Sequence 14, Appl
c	931	13.6	0.7	20	1	US-10-173-192-21 Sequence 21, Appl
c	932	13.6	0.7	20	1	US-10-173-192-22 Sequence 22, Appl
c	933	13.6	0.7	20	1	US-10-173-192-29 Sequence 29, Appl
c	934	13.6	0.7	20	1	US-10-173-192-33 Sequence 33, Appl
c	935	13.6	0.7	20	1	US-10-173-192-37 Sequence 37, Appl
	936	13.6	0.7	20	1	US-10-173-192-49 Sequence 49, Appl
	937	13.6	0.7	20	1	US-10-173-192-50 Sequence 50, Appl
	938	13.6	0.7	20	1	US-10-173-192-54 Sequence 54, Appl
	939	13.6	0.7	20	1	US-10-173-192-61 Sequence 61, Appl
	940	13.6	0.7	20	1	US-10-173-192-62 Sequence 62, Appl
	941	13.6	0.7	20	1	US-10-104-047-3984 Sequence 3984, Ap
	942	13.6	0.7	20	1	US-10-104-047-4060 Sequence 4060, Ap
c	943	13.6	0.7	20	1	US-10-277-216-95 Sequence 95, Appl
c	944	13.6	0.7	20	1	US-10-277-216-210 Sequence 210, App
	945	13.6	0.7	20	1	US-10-349-143-6513 Sequence 6513, Ap
c	946	13.6	0.7	20	1	US-10-349-143-11061 Sequence 11061, A
	947	13.6	0.7	20	1	US-10-349-143-11201 Sequence 11201, A
c	948	13.6	0.7	20	1	US-10-349-143-11396 Sequence 11396, A
	949	13.6	0.7	20	1	US-10-437-733-31 Sequence 31, Appl
c	950	13.6	0.7	20	1	US-10-289-762-5517 Sequence 5517, Ap
	951	13.6	0.7	20	1	US-10-289-762-5921 Sequence 5921, Ap
c	952	13.6	0.7	20	1	US-10-289-762-6107 Sequence 6107, Ap
c	953	13.6	0.7	20	1	US-10-439-214-2 Sequence 2, Appli
c	954	13.6	0.7	20	1	US-10-126-022-95 Sequence 95, Appl
c	955	13.6	0.7	20	1	US-10-126-022-210 Sequence 210, App
c	956	13.6	0.7	20	1	US-10-210-838-31 Sequence 31, Appl
c	957	13.6	0.7	20	1	US-10-211-859-14 Sequence 14, Appl
	958	13.6	0.7	20	1	US-10-211-859-51 Sequence 51, Appl
	959	13.6	0.7	20	1	US-10-650-585-5 Sequence 5, Appli
c	960	13.6	0.7	20	1	US-10-653-528-12 Sequence 12, Appl
c	961	13.6	0.7	20	1	US-10-653-528-14 Sequence 14, Appl
c	962	13.6	0.7	20	1	US-10-653-528-21 Sequence 21, Appl
c	963	13.6	0.7	20	1	US-10-653-528-22 Sequence 22, Appl
c	964	13.6	0.7	20	1	US-10-653-528-29 Sequence 29, Appl
c	965	13.6	0.7	20	1	US-10-653-528-33 Sequence 33, Appl
c	966	13.6	0.7	20	1	US-10-653-528-37 Sequence 37, Appl
	967	13.6	0.7	20	1	US-10-653-528-49 Sequence 49, Appl
	968	13.6	0.7	20	1	US-10-653-528-50 Sequence 50, Appl
	969	13.6	0.7	20	1	US-10-653-528-54 Sequence 54, Appl
	970	13.6	0.7	20	1	US-10-653-528-61 Sequence 61, Appl
	971	13.6	0.7	20	1	US-10-653-528-62 Sequence 62, Appl
	972	13.6	0.7	20	1	US-10-300-288-46 Sequence 46, Appl
c	973	13.6	0.7	20	1	US-10-300-288-72 Sequence 72, Appl
c	974	13.6	0.7	20	1	US-10-300-820-27 Sequence 27, Appl
	975	13.6	0.7	20	1	US-10-300-820-103 Sequence 103, App
c	976	13.6	0.7	20	1	US-10-303-266-69 Sequence 69, Appl
	977	13.6	0.7	20	1	US-10-303-266-141 Sequence 141, App
c	978	13.6	0.7	20	1	US-10-303-635-63 Sequence 63, Appl
c	979	13.6	0.7	20	1	US-10-304-124-47 Sequence 47, Appl
	980	13.6	0.7	20	1	US-10-304-124-79 Sequence 79, Appl
c	981	13.6	0.7	20	1	US-10-688-706-483 Sequence 483, App
c	982	13.6	0.7	20	1	US-10-688-706-626 Sequence 626, App

983	13.6	0.7	20	1	US-10-688-706-814	Sequence 814, App
c 984	13.6	0.7	20	1	US-10-688-706-2330	Sequence 2330, Ap
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986	13.6	0.7	20	1	US-10-316-243-143	Sequence 143, App
c 987	13.6	0.7	20	1	US-10-317-270-39	Sequence 39, Appl
988	13.6	0.7	20	1	US-10-317-270-113	Sequence 113, App
989	13.6	0.7	20	1	US-10-317-279-26	Sequence 26, Appl
c 990	13.6	0.7	20	1	US-10-317-279-52	Sequence 52, Appl
c 991	13.6	0.7	20	1	US-10-317-280-71	Sequence 71, Appl
992	13.6	0.7	20	1	US-10-317-280-144	Sequence 144, App
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c 994	13.6	0.7	20	1	US-10-317-478-85	Sequence 85, Appl
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996	13.6	0.7	20	1	US-10-679-532-44	Sequence 44, Appl
997	13.6	0.7	20	1	US-10-679-532-67	Sequence 67, Appl
c 998	13.6	0.7	20	1	US-10-744-831-79	Sequence 79, Appl
999	13.6	0.7	20	1	US-10-724-108-13	Sequence 13, Appl
1000	13.6	0.7	20	1	US-10-652-795-69	Sequence 69, Appl
1001	13.6	0.7	20	1	US-10-652-795-153	Sequence 153, App
c1002	13.6	0.7	20	1	US-10-652-795-244	Sequence 244, App
c1003	13.6	0.7	20	1	US-10-652-795-493	Sequence 493, App
1004	13.6	0.7	20	1	US-10-647-918-69	Sequence 69, Appl
1005	13.6	0.7	20	1	US-10-647-918-153	Sequence 153, App
c1006	13.6	0.7	20	1	US-10-647-918-244	Sequence 244, App
c1007	13.6	0.7	20	1	US-10-647-918-493	Sequence 493, App
c1008	13.6	0.7	20	1	US-10-766-185-95	Sequence 95, Appl
1009	13.6	0.7	20	1	US-10-777-838-51	Sequence 51, Appl
c1010	13.6	0.7	21	1	US-10-386-243-6	Sequence 6, Appli
c1011	13.4	0.6	15	1	US-10-287-919-1912	Sequence 1912, Ap
c1012	13.4	0.6	15	1	US-10-287-919-1925	Sequence 1925, Ap
c1013	13.4	0.6	16	1	US-09-420-433-19	Sequence 19, Appl
c1014	13.4	0.6	16	1	US-10-287-919-2258	Sequence 2258, Ap
c1015	13.4	0.6	17	1	US-09-866-108-970	Sequence 970, App
c1016	13.4	0.6	17	1	US-09-866-108-973	Sequence 973, App
c1017	13.4	0.6	17	1	US-09-866-108-2209	Sequence 2209, Ap
c1018	13.4	0.6	17	1	US-09-866-108-2210	Sequence 2210, Ap
c1019	13.4	0.6	17	1	US-09-866-108-2211	Sequence 2211, Ap
1020	13.4	0.6	17	1	US-09-866-108-2736	Sequence 2736, Ap
1021	13.4	0.6	17	1	US-09-866-108-2737	Sequence 2737, Ap
1022	13.4	0.6	17	1	US-09-866-108-2738	Sequence 2738, Ap
1023	13.4	0.6	17	1	US-09-866-108-6563	Sequence 6563, Ap
1024	13.4	0.6	17	1	US-09-866-108-6564	Sequence 6564, Ap
1025	13.4	0.6	17	1	US-09-866-108-7085	Sequence 7085, Ap
1026	13.4	0.6	17	1	US-09-866-108-7086	Sequence 7086, Ap
1027	13.4	0.6	17	1	US-09-866-108-8669	Sequence 8669, Ap
1028	13.4	0.6	17	1	US-09-866-108-8670	Sequence 8670, Ap
c1029	13.4	0.6	17	1	US-09-818-875-787	Sequence 787, App
1030	13.4	0.6	17	1	US-09-818-875-788	Sequence 788, App
1031	13.4	0.6	17	1	US-09-780-533A-496	Sequence 496, App
c1032	13.4	0.6	17	1	US-09-780-533A-1546	Sequence 1546, Ap
1033	13.4	0.6	17	1	US-09-780-533A-1720	Sequence 1720, Ap
1034	13.4	0.6	17	1	US-09-780-533A-2097	Sequence 2097, Ap
c1035	13.4	0.6	17	1	US-09-780-533A-2332	Sequence 2332, Ap
1036	13.4	0.6	17	1	US-09-780-533A-2371	Sequence 2371, Ap
1037	13.4	0.6	17	1	US-09-848-754A-3288	Sequence 3288, Ap
1038	13.4	0.6	17	1	US-09-848-754A-3289	Sequence 3289, Ap
1039	13.4	0.6	17	1	US-09-930-423-1742	Sequence 1742, Ap
c1040	13.4	0.6	17	1	US-09-780-164-22	Sequence 22, Appl
c1041	13.4	0.6	17	1	US-09-780-164-759	Sequence 759, App
1042	13.4	0.6	17	1	US-09-745-237A-1742	Sequence 1742, Ap
1043	13.4	0.6	17	1	US-09-927-046-90	Sequence 90, Appl
1044	13.4	0.6	17	1	US-09-927-046-630	Sequence 630, App
1045	13.4	0.6	17	1	US-09-927-046-1912	Sequence 1912, Ap
c1046	13.4	0.6	17	1	US-10-060-998-1327	Sequence 1327, Ap
c1047	13.4	0.6	17	1	US-10-060-998-1328	Sequence 1328, Ap
c1048	13.4	0.6	17	1	US-10-156-306-76	Sequence 76, Appl
c1049	13.4	0.6	17	1	US-10-156-306-77	Sequence 77, Appl
c1050	13.4	0.6	17	1	US-10-156-306-2464	Sequence 2464, Ap
1051	13.4	0.6	17	1	US-10-238-700-100	Sequence 100, App
c1052	13.4	0.6	17	1	US-10-238-700-345	Sequence 345, App
c1053	13.4	0.6	17	1	US-10-238-700-356	Sequence 356, App
c1054	13.4	0.6	17	1	US-10-238-700-1018	Sequence 1018, Ap
c1055	13.4	0.6	17	1	US-10-238-700-1037	Sequence 1037, Ap
c1056	13.4	0.6	17	1	US-10-238-700-2701	Sequence 2701, Ap
1057	13.4	0.6	17	1	US-10-238-700-3038	Sequence 3038, Ap
c1058	13.4	0.6	17	1	US-10-339-782-245	Sequence 245, App
1059	13.4	0.6	17	1	US-10-061-201-247	Sequence 247, App
1060	13.4	0.6	17	1	US-10-061-201-248	Sequence 248, App
1061	13.4	0.6	17	1	US-10-061-201-249	Sequence 249, App
1062	13.4	0.6	17	1	US-10-339-793-50	Sequence 50, Appl
c1063	13.4	0.6	17	1	US-10-209-787-787	Sequence 787, App
1064	13.4	0.6	17	1	US-10-209-787-788	Sequence 788, App
c1065	13.4	0.6	17	1	US-10-261-185-787	Sequence 787, App
1066	13.4	0.6	17	1	US-10-261-185-788	Sequence 788, App
1067	13.4	0.6	17	1	US-10-435-696-106	Sequence 106, App
c1068	13.4	0.6	17	1	US-10-138-674-1032	Sequence 1032, Ap
1069	13.4	0.6	17	1	US-10-138-674-4644	Sequence 4644, Ap
c1070	13.4	0.6	17	1	US-10-138-674-8528	Sequence 8528, Ap
c1071	13.4	0.6	17	1	US-10-138-674-9024	Sequence 9024, Ap
c1072	13.4	0.6	17	1	US-10-676-154-289	Sequence 289, App
c1073	13.4	0.6	17	1	US-10-287-949A-1032	Sequence 1032, Ap
1074	13.4	0.6	17	1	US-10-287-949A-4644	Sequence 4644, Ap
c1075	13.4	0.6	17	1	US-10-287-949A-8528	Sequence 8528, Ap
c1076	13.4	0.6	17	1	US-10-287-949A-9024	Sequence 9024, Ap
c1077	13.4	0.6	17	1	US-10-712-672-782	Sequence 782, App
1078	13.4	0.6	17	1	US-10-712-672-2605	Sequence 2605, Ap
1079	13.4	0.6	17	1	US-10-712-672-2663	Sequence 2663, Ap
c1080	13.4	0.6	17	1	US-10-723-361-970	Sequence 970, App
c1081	13.4	0.6	17	1	US-10-723-361-973	Sequence 973, App
c1082	13.4	0.6	17	1	US-10-723-361-2209	Sequence 2209, Ap
c1083	13.4	0.6	17	1	US-10-723-361-2210	Sequence 2210, Ap
c1084	13.4	0.6	17	1	US-10-723-361-2211	Sequence 2211, Ap
1085	13.4	0.6	17	1	US-10-723-361-2736	Sequence 2736, Ap
1086	13.4	0.6	17	1	US-10-723-361-2737	Sequence 2737, Ap
1087	13.4	0.6	17	1	US-10-723-361-2738	Sequence 2738, Ap
1088	13.4	0.6	17	1	US-10-723-361-6563	Sequence 6563, Ap
1089	13.4	0.6	17	1	US-10-723-361-6564	Sequence 6564, Ap
1090	13.4	0.6	17	1	US-10-723-361-7085	Sequence 7085, Ap
1091	13.4	0.6	17	1	US-10-723-361-7086	Sequence 7086, Ap
1092	13.4	0.6	17	1	US-10-723-361-8669	Sequence 8669, Ap
1093	13.4	0.6	17	1	US-10-723-361-8670	Sequence 8670, Ap
1094	13.4	0.6	18	1	US-10-333-429-224	Sequence 224, App
1095	13.4	0.6	18	1	US-10-168-771-39	Sequence 39, Appl
1096	13.4	0.6	18	1	US-10-348-083-8	Sequence 8, Appli
1097	13.4	0.6	18	1	US-10-440-850-1134	Sequence 1134, Ap
c1098	13.4	0.6	18	1	US-10-388-263-300	Sequence 300, App
c1099	13.4	0.6	18	1	US-10-349-143-6640	Sequence 6640, Ap
c1100	13.4	0.6	18	1	US-10-138-674-1493	Sequence 1493, Ap
c1101	13.4	0.6	18	1	US-10-287-949A-1493	Sequence 1493, Ap
c1102	13.4	0.6	19	1	US-09-420-433-68	Sequence 68, Appl
c1103	13.4	0.6	19	1	US-09-911-904-9	Sequence 9, Appli
1104	13.4	0.6	19	1	US-10-236-417-233	Sequence 233, App
1105	13.4	0.6	19	1	US-10-618-540-25	Sequence 25, Appl
1106	13.4	0.6	19	1	US-10-618-540-27	Sequence 27, Appl
1107	13.4	0.6	19	1	US-10-067-076-16	Sequence 16, Appl
1108	13.4	0.6	19	1	US-10-251-117-639	Sequence 639, App
c1109	13.4	0.6	19	1	US-10-251-117-946	Sequence 946, App
1110	13.4	0.6	19	1	US-10-349-143-5823	Sequence 5823, Ap
c1111	13.4	0.6	19	1	US-10-110-707A-40	Sequence 40, Appl
c1112	13.4	0.6	20	1	US-08-983-605-263	Sequence 263, App
1113	13.4	0.6	20	1	US-09-768-436-25	Sequence 25, Appl
1114	13.4	0.6	20	1	US-09-808-382-14	Sequence 14, Appl
c1115	13.4	0.6	20	1	US-09-791-243-50	Sequence 50, Appl
c1116	13.4	0.6	20	1	US-09-934-138B-6	Sequence 6, Appli
1117	13.4	0.6	20	1	US-09-906-158-105	Sequence 105, App
c1118	13.4	0.6	20	1	US-09-998-027-179	Sequence 179, App
c1119	13.4	0.6	20	1	US-09-974-619B-10	Sequence 10, Appl
c1120	13.4	0.6	20	1	US-09-961-756-45	Sequence 45, Appl
c1121	13.4	0.6	20	1	US-10-154-993-3	Sequence 3, Appli
1122	13.4	0.6	20	1	US-10-144-488-19	Sequence 19, Appl
c1123	13.4	0.6	20	1	US-10-160-497-25	Sequence 25, Appl
1124	13.4	0.6	20	1	US-10-160-497-97	Sequence 97, Appl
c1125	13.4	0.6	20	1	US-10-282-174-156	Sequence 156, App
c1126	13.4	0.6	20	1	US-10-348-750-25	Sequence 25, Appl
1127	13.4	0.6	20	1	US-10-348-750-97	Sequence 97, Appl
c1128	13.4	0.6	20	1	US-10-396-678-8	Sequence 8, Appli

c1129	13.4	0.6	20	1	US-10-448-753-22	Sequence 22, Appl
c1130	13.4	0.6	20	1	US-10-073-718-3	Sequence 3, Appli
1131	13.4	0.6	20	1	US-10-054-683-6	Sequence 6, Appli
c1132	13.4	0.6	20	1	US-10-287-919-205	Sequence 205, App
1133	13.4	0.6	20	1	US-10-293-239-26	Sequence 26, Appl
c1134	13.4	0.6	20	1	US-10-027-983-22	Sequence 22, Appl
1135	13.4	0.6	20	1	US-10-006-191-70	Sequence 70, Appl
c1136	13.4	0.6	20	1	US-10-192-437-8	Sequence 8, Appli
c1137	13.4	0.6	20	1	US-10-192-437-9	Sequence 9, Appli
1138	13.4	0.6	20	1	US-10-132-069-16	Sequence 16, Appl
c1139	13.4	0.6	20	1	US-10-284-742-3	Sequence 3, Appli
1140	13.4	0.6	20	1	US-10-032-585-4460	Sequence 4460, Ap
c1141	13.4	0.6	20	1	US-10-331-907-268	Sequence 268, App
c1142	13.4	0.6	20	1	US-10-165-099-179	Sequence 179, App
c1143	13.4	0.6	20	1	US-10-080-979-2	Sequence 2, Appli
c1144	13.4	0.6	20	1	US-10-080-979-26	Sequence 26, Appl
c1145	13.4	0.6	20	1	US-10-080-979-65	Sequence 65, Appl
c1146	13.4	0.6	20	1	US-10-080-979-72	Sequence 72, Appl
c1147	13.4	0.6	20	1	US-10-080-979-74	Sequence 74, Appl
c1148	13.4	0.6	20	1	US-10-080-979-75	Sequence 75, Appl
c1149	13.4	0.6	20	1	US-10-080-979-76	Sequence 76, Appl
c1150	13.4	0.6	20	1	US-10-080-979-77	Sequence 77, Appl
c1151	13.4	0.6	20	1	US-10-080-979-78	Sequence 78, Appl
1152	13.4	0.6	20	1	US-10-148-355A-42	Sequence 42, Appl
c1153	13.4	0.6	20	1	US-10-188-779A-20	Sequence 20, Appl
1154	13.4	0.6	20	1	US-10-188-779A-173	Sequence 173, App
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c1156	13.4	0.6	20	1	US-10-349-143-10868	Sequence 10868, A
c1157	13.4	0.6	20	1	US-10-289-762-1900	Sequence 1900, Ap
1158	13.4	0.6	20	1	US-10-289-762-4696	Sequence 4696, Ap
1159	13.4	0.6	20	1	US-10-289-762-5555	Sequence 5555, Ap
c1160	13.4	0.6	20	1	US-10-188-777-45	Sequence 45, Appl
c1161	13.4	0.6	20	1	US-10-447-136-28	Sequence 28, Appl
1162	13.4	0.6	20	1	US-10-280-183A-625	Sequence 625, App
c1163	13.4	0.6	20	1	US-10-298-994-82	Sequence 82, Appl
1164	13.4	0.6	20	1	US-10-298-994-189	Sequence 189, App
c1165	13.4	0.6	20	1	US-10-303-326-34	Sequence 34, Appl
c1166	13.4	0.6	20	1	US-10-304-113-22	Sequence 22, Appl
1167	13.4	0.6	20	1	US-10-304-113-100	Sequence 100, App
1168	13.4	0.6	20	1	US-10-304-125-14	Sequence 14, Appl
c1169	13.4	0.6	20	1	US-10-304-125-86	Sequence 86, Appl
1170	13.4	0.6	20	1	US-10-648-593-276	Sequence 276, App
1171	13.4	0.6	20	1	US-10-316-755-103	Sequence 103, App
c1172	13.4	0.6	20	1	US-10-316-755-234	Sequence 234, App
1173	13.4	0.6	20	1	US-10-317-273-68	Sequence 68, Appl
c1174	13.4	0.6	20	1	US-10-317-280-6	Sequence 6, Appli
c1175	13.4	0.6	20	1	US-10-317-280-30	Sequence 30, Appl
1176	13.4	0.6	20	1	US-10-317-280-106	Sequence 106, App
c1177	13.4	0.6	20	1	US-10-319-908-68	Sequence 68, Appl
c1178	13.4	0.6	20	1	US-10-181-174B-52	Sequence 52, Appl
1179	13.4	0.6	20	1	US-10-671-395-166	Sequence 166, App
1180	13.4	0.6	20	1	US-10-671-395-1217	Sequence 1217, Ap
c1181	13.4	0.6	20	1	US-10-671-395-1578	Sequence 1578, Ap
c1182	13.4	0.6	20	1	US-10-780-439-2	Sequence 2, Appli
c1183	13.4	0.6	24	1	US-10-109-349A-55	Sequence 55, Appl
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1185	13.2	0.6	18	1	US-09-969-373-4070	Sequence 4070, Ap
1186	13.2	0.6	18	1	US-09-864-636A-378	Sequence 378, App
c1187	13.2	0.6	18	1	US-09-882-945A-64	Sequence 64, Appl
c1188	13.2	0.6	18	1	US-09-943-944E-100	Sequence 100, App
c1189	13.2	0.6	18	1	US-09-943-944E-125	Sequence 125, App
1190	13.2	0.6	18	1	US-09-864-426A-378	Sequence 378, App
1191	13.2	0.6	18	1	US-09-940-227-34	Sequence 34, Appl
c1192	13.2	0.6	18	1	US-09-861-925-34	Sequence 34, Appl
c1193	13.2	0.6	18	1	US-10-239-595-7	Sequence 7, Appli
c1194	13.2	0.6	18	1	US-10-077-023-67	Sequence 67, Appl
c1195	13.2	0.6	18	1	US-10-005-956-1124	Sequence 1124, Ap
1196	13.2	0.6	18	1	US-10-005-956-1218	Sequence 1218, Ap
c1197	13.2	0.6	18	1	US-10-233-032A-34	Sequence 34, Appl
1198	13.2	0.6	18	1	US-10-084-839-378	Sequence 378, App
c1199	13.2	0.6	18	1	US-10-109-349A-107	Sequence 107, App
1200	13.2	0.6	18	1	US-10-091-281-339	Sequence 339, App
1201	13.2	0.6	18	1	US-10-297-068-171	Sequence 171, App
1202	13.2	0.6	18	1	US-10-297-068-345	Sequence 345, App
1203	13.2	0.6	18	1	US-10-108-260A-5301	Sequence 5301, Ap
1204	13.2	0.6	18	1	US-10-349-143-4124	Sequence 4124, Ap
c1205	13.2	0.6	18	1	US-10-349-143-5112	Sequence 5112, Ap
1206	13.2	0.6	18	1	US-10-349-143-7274	Sequence 7274, Ap
c1207	13.2	0.6	18	1	US-10-321-039-625	Sequence 625, App
1208	13.2	0.6	18	1	US-10-221-677-10	Sequence 10, Appl
c1209	13.2	0.6	18	1	US-10-456-422-28	Sequence 28, Appl
1210	13.2	0.6	18	1	US-10-138-674-1481	Sequence 1481, Ap
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c1212	13.2	0.6	18	1	US-10-676-154-378	Sequence 378, App
1213	13.2	0.6	18	1	US-10-287-949A-1481	Sequence 1481, Ap
c1214	13.2	0.6	18	1	US-10-606-133-281	Sequence 281, App
1215	13.2	0.6	18	1	US-10-682-845-29	Sequence 29, Appl
1216	13.2	0.6	19	1	US-09-790-417-114	Sequence 114, App
c1217	13.2	0.6	19	1	US-09-231-235-32	Sequence 32, Appl
1218	13.2	0.6	19	1	US-09-829-549A-3	Sequence 3, Appli
c1219	13.2	0.6	19	1	US-09-797-518A-32	Sequence 32, Appl
1220	13.2	0.6	19	1	US-09-898-533-38	Sequence 38, Appl
c1221	13.2	0.6	19	1	US-09-996-073-11	Sequence 11, Appl
1222	13.2	0.6	19	1	US-09-766-450-32	Sequence 32, Appl
1223	13.2	0.6	19	1	US-09-825-155-8	Sequence 8, Appli
c1224	13.2	0.6	19	1	US-09-872-696A-32	Sequence 32, Appl
1225	13.2	0.6	19	1	US-09-788-847-95	Sequence 95, Appl
1226	13.2	0.6	19	1	US-10-335-977-9804	Sequence 9804, Ap
1227	13.2	0.6	19	1	US-10-027-632-53338	Sequence 53338, A
1228	13.2	0.6	19	1	US-10-027-632-53338	Sequence 53338, A
1229	13.2	0.6	19	1	US-10-040-805-6	Sequence 6, Appli
c1230	13.2	0.6	19	1	US-10-146-354A-45	Sequence 45, Appl
1231	13.2	0.6	19	1	US-10-152-297-13	Sequence 13, Appl
1232	13.2	0.6	19	1	US-10-175-225-106	Sequence 106, App
c1233	13.2	0.6	19	1	US-10-005-626A-33	Sequence 33, Appl
1234	13.2	0.6	19	1	US-10-224-005-40	Sequence 40, Appl
c1235	13.2	0.6	19	1	US-10-224-005-201	Sequence 201, App
1236	13.2	0.6	19	1	US-10-251-117-562	Sequence 562, App
c1237	13.2	0.6	19	1	US-10-251-117-869	Sequence 869, App
1238	13.2	0.6	19	1	US-10-225-023-177	Sequence 177, App
1239	13.2	0.6	19	1	US-10-225-023-249	Sequence 249, App
1240	13.2	0.6	19	1	US-10-225-023-338	Sequence 338, App
c1241	13.2	0.6	19	1	US-10-225-023-517	Sequence 517, App
c1242	13.2	0.6	19	1	US-10-225-023-915	Sequence 915, App
c1243	13.2	0.6	19	1	US-10-225-023-987	Sequence 987, App
c1244	13.2	0.6	19	1	US-10-225-023-1076	Sequence 1076, Ap
1245	13.2	0.6	19	1	US-10-225-023-1255	Sequence 1255, Ap
1246	13.2	0.6	19	1	US-10-264-171-6	Sequence 6, Appli
1247	13.2	0.6	19	1	US-10-091-281-242	Sequence 242, App
c1248	13.2	0.6	19	1	US-10-205-309-43	Sequence 43, Appl
c1249	13.2	0.6	19	1	US-10-205-309-154	Sequence 154, App
c1250	13.2	0.6	19	1	US-10-205-309-247	Sequence 247, App
1251	13.2	0.6	19	1	US-10-205-309-368	Sequence 368, App
1252	13.2	0.6	19	1	US-10-205-309-479	Sequence 479, App
1253	13.2	0.6	19	1	US-10-205-309-572	Sequence 572, App
c1254	13.2	0.6	19	1	US-10-360-705-51	Sequence 51, Appl
1255	13.2	0.6	19	1	US-10-329-130-1	Sequence 1, Appli
c1256	13.2	0.6	19	1	US-10-271-602B-147	Sequence 147, App
c1257	13.2	0.6	19	1	US-10-349-143-4050	Sequence 4050, Ap
c1258	13.2	0.6	19	1	US-10-349-143-4973	Sequence 4973, Ap
c1259	13.2	0.6	19	1	US-10-349-143-6092	Sequence 6092, Ap
1260	13.2	0.6	19	1	US-10-349-143-7300	Sequence 7300, Ap
1261	13.2	0.6	19	1	US-10-349-143-7654	Sequence 7654, Ap
1262	13.2	0.6	19	1	US-10-349-143-8884	Sequence 8884, Ap
1263	13.2	0.6	19	1	US-10-104-603-1	Sequence 1, Appli
1264	13.2	0.6	19	1	US-10-444-795B-396	Sequence 396, App
1265	13.2	0.6	19	1	US-10-255-120-451	Sequence 451, App
c1266	13.2	0.6	19	1	US-10-680-341-43	Sequence 43, Appl
1267	13.2	0.6	19	1	US-10-466-347-10	Sequence 10, Appl
c1268	13.2	0.6	19	1	US-10-620-576-11	Sequence 11, Appl
1269	13.2	0.6	19	1	US-10-665-951-172	Sequence 172, App
c1270	13.2	0.6	19	1	US-10-665-951-599	Sequence 599, App
1271	13.2	0.6	19	1	US-10-665-951-924	Sequence 924, App
c1272	13.2	0.6	19	1	US-10-665-951-1248	Sequence 1248, Ap
c1273	13.2	0.6	19	1	US-10-665-951-1716	Sequence 1716, Ap
c1274	13.2	0.6	19	1	US-10-665-951-1721	Sequence 1721, Ap

1275	13.2	0.6	19	1	US-10-665-951-1963	Sequence 1963, Ap
1276	13.2	0.6	19	1	US-10-665-951-1968	Sequence 1968, Ap
1277	13.2	0.6	19	1	US-10-480-276-21	Sequence 21, Appl
1278	13.2	0.6	20	1	US-08-954-771-28	Sequence 28, Appl
1279	13.2	0.6	20	1	US-08-462-386D-28	Sequence 28, Appl
1280	13.2	0.6	20	1	US-09-785-474-6	Sequence 6, Appli
c1281	13.2	0.6	20	1	US-09-216-393-285	Sequence 285, App
c1282	13.2	0.6	20	1	US-09-752-983-237	Sequence 237, App
1283	13.2	0.6	20	1	US-09-752-983-246	Sequence 246, App
1284	13.2	0.6	20	1	US-09-758-881-44	Sequence 44, Appl
1285	13.2	0.6	20	1	US-09-215-652-36	Sequence 36, Appl
c1286	13.2	0.6	20	1	US-09-305-856B-34	Sequence 34, Appl
c1287	13.2	0.6	20	1	US-09-911-935A-6	Sequence 6, Appli
1288	13.2	0.6	20	1	US-09-752-639-140	Sequence 140, App
c1289	13.2	0.6	20	1	US-09-865-579A-13	Sequence 13, Appl
c1290	13.2	0.6	20	1	US-09-865-579A-23	Sequence 23, Appl
1291	13.2	0.6	20	1	US-09-521-524-1	Sequence 1, Appli
c1292	13.2	0.6	20	1	US-09-908-500A-3	Sequence 3, Appli
1293	13.2	0.6	20	1	US-09-971-309-24	Sequence 24, Appl
1294	13.2	0.6	20	1	US-09-984-198-140	Sequence 140, App
c1295	13.2	0.6	20	1	US-09-777-732-41	Sequence 41, Appl
c1296	13.2	0.6	20	1	US-09-791-406-60	Sequence 60, Appl
1297	13.2	0.6	20	1	US-09-547-267-13	Sequence 13, Appl
c1298	13.2	0.6	20	1	US-09-734-672-27	Sequence 27, Appl
c1299	13.2	0.6	20	1	US-09-881-012-98	Sequence 98, Appl
1300	13.2	0.6	20	1	US-09-964-261-180	Sequence 180, App
c1301	13.2	0.6	20	1	US-09-982-828-27	Sequence 27, Appl
1302	13.2	0.6	20	1	US-09-920-923-39	Sequence 39, Appl
1303	13.2	0.6	20	1	US-09-824-322B-72	Sequence 72, Appl
1304	13.2	0.6	20	1	US-09-824-322B-83	Sequence 83, Appl
c1305	13.2	0.6	20	1	US-09-824-322B-319	Sequence 319, App
c1306	13.2	0.6	20	1	US-09-966-515-14	Sequence 14, Appl
1307	13.2	0.6	20	1	US-09-828-344-157	Sequence 157, App
c1308	13.2	0.6	20	1	US-09-865-866-144	Sequence 144, App
c1309	13.2	0.6	20	1	US-09-232-785-138	Sequence 138, App
1310	13.2	0.6	20	1	US-09-232-785-201	Sequence 201, App
c1311	13.2	0.6	20	1	US-09-949-427-205	Sequence 205, App
1312	13.2	0.6	20	1	US-09-919-197-25	Sequence 25, Appl
c1313	13.2	0.6	20	1	US-09-919-197-55	Sequence 55, Appl
1314	13.2	0.6	20	1	US-09-741-744A-24	Sequence 24, Appl
c1315	13.2	0.6	20	1	US-09-966-451-34	Sequence 34, Appl
c1316	13.2	0.6	20	1	US-09-967-669-82	Sequence 82, Appl
c1317	13.2	0.6	20	1	US-09-923-327-91	Sequence 91, Appl
c1318	13.2	0.6	20	1	US-09-915-814-102	Sequence 102, App
1319	13.2	0.6	20	1	US-09-920-394-22	Sequence 22, Appl
1320	13.2	0.6	20	1	US-09-920-394-49	Sequence 49, Appl
c1321	13.2	0.6	20	1	US-09-778-013-41	Sequence 41, Appl
c1322	13.2	0.6	20	1	US-09-778-013-57	Sequence 57, Appl
c1323	13.2	0.6	20	1	US-09-953-318-59	Sequence 59, Appl
1324	13.2	0.6	20	1	US-09-953-318-99	Sequence 99, Appl
1325	13.2	0.6	20	1	US-09-908-147-34	Sequence 34, Appl
1326	13.2	0.6	20	1	US-09-908-147-35	Sequence 35, Appl
1327	13.2	0.6	20	1	US-09-793-807-47	Sequence 47, Appl
c1328	13.2	0.6	20	1	US-09-851-871-261	Sequence 261, App
1329	13.2	0.6	20	1	US-09-736-476-28	Sequence 28, Appl
c1330	13.2	0.6	20	1	US-10-380-525-10	Sequence 10, Appl
c1331	13.2	0.6	20	1	US-10-215-821-63	Sequence 63, Appl
1332	13.2	0.6	20	1	US-10-169-085-16	Sequence 16, Appl
1333	13.2	0.6	20	1	US-10-443-545-23	Sequence 23, Appl
1334	13.2	0.6	20	1	US-10-092-900A-390	Sequence 390, App
c1335	13.2	0.6	20	1	US-10-642-802-108	Sequence 108, App
1336	13.2	0.6	20	1	US-10-618-540-1	Sequence 1, Appli
1337	13.2	0.6	20	1	US-10-617-334-141	Sequence 141, App
1338	13.2	0.6	20	1	US-10-695-980-39	Sequence 39, Appl
c1339	13.2	0.6	20	1	US-09-912-680-6	Sequence 6, Appli
c1340	13.2	0.6	20	1	US-09-949-428-205	Sequence 205, App
1341	13.2	0.6	20	1	US-10-144-488-52	Sequence 52, Appl
c1342	13.2	0.6	20	1	US-10-156-995-214	Sequence 214, App
c1343	13.2	0.6	20	1	US-10-159-942-22	Sequence 22, Appl
1344	13.2	0.6	20	1	US-10-159-942-96	Sequence 96, Appl
1345	13.2	0.6	20	1	US-10-162-846-58	Sequence 58, Appl
c1346	13.2	0.6	20	1	US-10-162-846-123	Sequence 123, App
c1347	13.2	0.6	20	1	US-10-144-140-70	Sequence 70, Appl
c1348	13.2	0.6	20	1	US-10-446-373-59	Sequence 59, Appl
1349	13.2	0.6	20	1	US-10-446-373-99	Sequence 99, Appl
1350	13.2	0.6	20	1	US-10-449-462-32	Sequence 32, Appl
c1351	13.2	0.6	20	1	US-10-448-753-67	Sequence 67, Appl
1352	13.2	0.6	20	1	US-10-067-534-11	Sequence 11, Appl
1353	13.2	0.6	20	1	US-10-126-611-28	Sequence 28, Appl
1354	13.2	0.6	20	1	US-10-210-296-32	Sequence 32, Appl
c1355	13.2	0.6	20	1	US-10-022-819-23	Sequence 23, Appl
1356	13.2	0.6	20	1	US-10-000-773A-30	Sequence 30, Appl
1357	13.2	0.6	20	1	US-10-142-516-8	Sequence 8, Appli
c1358	13.2	0.6	20	1	US-10-205-522-149	Sequence 149, App
1359	13.2	0.6	20	1	US-10-181-846-161	Sequence 161, App
c1360	13.2	0.6	20	1	US-10-192-985-24	Sequence 24, Appl
1361	13.2	0.6	20	1	US-10-271-887-28	Sequence 28, Appl
1362	13.2	0.6	20	1	US-10-271-887-164	Sequence 164, App
1363	13.2	0.6	20	1	US-10-219-834-44	Sequence 44, Appl
c1364	13.2	0.6	20	1	US-10-001-076-108	Sequence 108, App
1365	13.2	0.6	20	1	US-10-204-696-2	Sequence 2, Appli
c1366	13.2	0.6	20	1	US-10-274-874-13	Sequence 13, Appl
1367	13.2	0.6	20	1	US-10-003-919-47	Sequence 47, Appl
1368	13.2	0.6	20	1	US-10-279-186-47	Sequence 47, Appl
c1369	13.2	0.6	20	1	US-10-139-604-12	Sequence 12, Appl
1370	13.2	0.6	20	1	US-10-010-002-44	Sequence 44, Appl
1371	13.2	0.6	20	1	US-10-024-369-39	Sequence 39, Appl
1372	13.2	0.6	20	1	US-10-006-972A-43	Sequence 43, Appl
c1373	13.2	0.6	20	1	US-10-027-983-67	Sequence 67, Appl
1374	13.2	0.6	20	1	US-10-006-191-91	Sequence 91, Appl
1375	13.2	0.6	20	1	US-10-006-191-105	Sequence 105, App
1376	13.2	0.6	20	1	US-10-020-478-82	Sequence 82, Appl
1377	13.2	0.6	20	1	US-10-371-474-43	Sequence 43, Appl
c1378	13.2	0.6	20	1	US-10-247-159-34	Sequence 34, Appl
1379	13.2	0.6	20	1	US-10-259-451-12	Sequence 12, Appl
c1380	13.2	0.6	20	1	US-10-109-799-6	Sequence 6, Appli
c1381	13.2	0.6	20	1	US-10-289-845-14	Sequence 14, Appl
1382	13.2	0.6	20	1	US-10-393-602-52	Sequence 52, Appl
1383	13.2	0.6	20	1	US-10-262-666-77	Sequence 77, Appl
1384	13.2	0.6	20	1	US-10-032-585-5398	Sequence 5398, Ap
1385	13.2	0.6	20	1	US-10-114-153-202	Sequence 202, App
1386	13.2	0.6	20	1	US-10-114-153-205	Sequence 205, App
1387	13.2	0.6	20	1	US-10-109-349A-262	Sequence 262, App
c1388	13.2	0.6	20	1	US-10-422-996-5	Sequence 5, Appli
1389	13.2	0.6	20	1	US-10-165-099-251	Sequence 251, App
c1390	13.2	0.6	20	1	US-10-321-856-285	Sequence 285, App
1391	13.2	0.6	20	1	US-10-085-871C-8	Sequence 8, Appli
1392	13.2	0.6	20	1	US-10-085-871C-12	Sequence 12, Appl
c1393	13.2	0.6	20	1	US-10-005-344-237	Sequence 237, App
1394	13.2	0.6	20	1	US-10-005-344-246	Sequence 246, App
c1395	13.2	0.6	20	1	US-10-448-836-55	Sequence 55, Appl
c1396	13.2	0.6	20	1	US-10-360-705-11	Sequence 11, Appl
c1397	13.2	0.6	20	1	US-10-382-328-2	Sequence 2, Appli
c1398	13.2	0.6	20	1	US-10-094-749-3322	Sequence 3322, Ap
c1399	13.2	0.6	20	1	US-10-094-749-3326	Sequence 3326, Ap
c1400	13.2	0.6	20	1	US-10-146-860-69	Sequence 69, Appl
c1401	13.2	0.6	20	1	US-10-388-263-246	Sequence 246, App
c1402	13.2	0.6	20	1	US-10-159-834-78	Sequence 78, Appl
c1403	13.2	0.6	20	1	US-10-369-214-19	Sequence 19, Appl
c1404	13.2	0.6	20	1	US-10-172-911-57	Sequence 57, Appl
1405	13.2	0.6	20	1	US-10-172-911-110	Sequence 110, App
1406	13.2	0.6	20	1	US-10-173-817-22	Sequence 22, Appl
c1407	13.2	0.6	20	1	US-10-173-817-93	Sequence 93, Appl
1408	13.2	0.6	20	1	US-10-174-460-19	Sequence 19, Appl
c1409	13.2	0.6	20	1	US-10-174-460-87	Sequence 87, Appl
c1410	13.2	0.6	20	1	US-10-174-559-15	Sequence 15, Appl
1411	13.2	0.6	20	1	US-10-174-559-87	Sequence 87, Appl
c1412	13.2	0.6	20	1	US-10-448-914A-55	Sequence 55, Appl
1413	13.2	0.6	20	1	US-10-177-798-35	Sequence 35, Appl
c1414	13.2	0.6	20	1	US-10-177-798-66	Sequence 66, Appl
c1415	13.2	0.6	20	1	US-10-173-192-25	Sequence 25, Appl
c1416	13.2	0.6	20	1	US-10-173-192-35	Sequence 35, Appl
1417	13.2	0.6	20	1	US-10-173-192-57	Sequence 57, Appl
c1418	13.2	0.6	20	1	US-10-177-573-14	Sequence 14, Appl
1419	13.2	0.6	20	1	US-10-271-602B-19	Sequence 19, Appl
1420	13.2	0.6	20	1	US-10-271-602B-28	Sequence 28, Appl

1421	13.2	0.6	20	1	US-10-271-602B-45	Sequence 45, Appl
1422	13.2	0.6	20	1	US-10-277-216-131	Sequence 131, App
1423	13.2	0.6	20	1	US-10-188-779A-115	Sequence 115, App
c1424	13.2	0.6	20	1	US-10-188-779A-244	Sequence 244, App
1425	13.2	0.6	20	1	US-10-349-143-4567	Sequence 4567, Ap
c1426	13.2	0.6	20	1	US-10-349-143-7064	Sequence 7064, Ap
c1427	13.2	0.6	20	1	US-10-349-143-7084	Sequence 7084, Ap
c1428	13.2	0.6	20	1	US-10-349-143-10993	Sequence 10993, A
1429	13.2	0.6	20	1	US-10-452-510-141	Sequence 141, App
c1430	13.2	0.6	20	1	US-10-185-035-65	Sequence 65, Appl
c1431	13.2	0.6	20	1	US-10-188-883-70	Sequence 70, Appl
c1432	13.2	0.6	20	1	US-10-190-366-153	Sequence 153, App
1433	13.2	0.6	20	1	US-10-190-366-346	Sequence 346, App
1434	13.2	0.6	20	1	US-10-289-762-1559	Sequence 1559, Ap
1435	13.2	0.6	20	1	US-10-289-762-1586	Sequence 1586, Ap
1436	13.2	0.6	20	1	US-10-289-762-1695	Sequence 1695, Ap
c1437	13.2	0.6	20	1	US-10-289-762-1972	Sequence 1972, Ap
1438	13.2	0.6	20	1	US-10-289-762-2937	Sequence 2937, Ap
c1439	13.2	0.6	20	1	US-10-289-762-2965	Sequence 2965, Ap
c1440	13.2	0.6	20	1	US-10-289-762-3522	Sequence 3522, Ap
c1441	13.2	0.6	20	1	US-10-289-762-3617	Sequence 3617, Ap
c1442	13.2	0.6	20	1	US-10-289-762-3864	Sequence 3864, Ap
1443	13.2	0.6	20	1	US-10-289-762-3972	Sequence 3972, Ap
1444	13.2	0.6	20	1	US-10-289-762-4808	Sequence 4808, Ap
1445	13.2	0.6	20	1	US-10-289-762-4937	Sequence 4937, Ap
1446	13.2	0.6	20	1	US-10-289-762-5002	Sequence 5002, Ap
1447	13.2	0.6	20	1	US-10-289-762-5682	Sequence 5682, Ap
c1448	13.2	0.6	20	1	US-10-289-762-5852	Sequence 5852, Ap
1449	13.2	0.6	20	1	US-10-289-762-6074	Sequence 6074, Ap
1450	13.2	0.6	20	1	US-10-289-762-6132	Sequence 6132, Ap
c1451	13.2	0.6	20	1	US-10-289-762-6589	Sequence 6589, Ap
c1452	13.2	0.6	20	1	US-10-289-762-6592	Sequence 6592, Ap
1453	13.2	0.6	20	1	US-10-352-179-20	Sequence 20, Appl
1454	13.2	0.6	20	1	US-10-131-827-8966	Sequence 8966, Ap
1455	13.2	0.6	20	1	US-10-602-853-3	Sequence 3, Appli
1456	13.2	0.6	20	1	US-10-447-136-121	Sequence 121, App
c1457	13.2	0.6	20	1	US-10-199-199-89	Sequence 89, Appl
1458	13.2	0.6	20	1	US-10-199-676-51	Sequence 51, Appl
1459	13.2	0.6	20	1	US-10-436-715-90	Sequence 90, Appl
1460	13.2	0.6	20	1	US-10-436-715-92	Sequence 92, Appl
c1461	13.2	0.6	20	1	US-10-630-399-34	Sequence 34, Appl
1462	13.2	0.6	20	1	US-10-126-022-131	Sequence 131, App
1463	13.2	0.6	20	1	US-10-210-723-77	Sequence 77, Appl
c1464	13.2	0.6	20	1	US-10-210-833-90	Sequence 90, Appl
1465	13.2	0.6	20	1	US-10-210-838-21	Sequence 21, Appl
1466	13.2	0.6	20	1	US-10-210-838-88	Sequence 88, Appl
1467	13.2	0.6	20	1	US-10-285-819-9	Sequence 9, Appli
1468	13.2	0.6	20	1	US-10-399-214-56	Sequence 56, Appl
c1469	13.2	0.6	20	1	US-10-444-206-261	Sequence 261, App
c1470	13.2	0.6	20	1	US-10-457-030-3	Sequence 3, Appli
c1471	13.2	0.6	20	1	US-10-272-727-32	Sequence 32, Appl
c1472	13.2	0.6	20	1	US-10-272-810-21	Sequence 21, Appl
c1473	13.2	0.6	20	1	US-10-272-811-32	Sequence 32, Appl
c1474	13.2	0.6	20	1	US-10-273-070-21	Sequence 21, Appl
c1475	13.2	0.6	20	1	US-10-653-528-25	Sequence 25, Appl
c1476	13.2	0.6	20	1	US-10-653-528-35	Sequence 35, Appl
1477	13.2	0.6	20	1	US-10-653-528-57	Sequence 57, Appl
1478	13.2	0.6	20	1	US-10-728-509-34	Sequence 34, Appl
1479	13.2	0.6	20	1	US-10-728-509-35	Sequence 35, Appl
c1480	13.2	0.6	20	1	US-10-280-183A-532	Sequence 532, App
c1481	13.2	0.6	20	1	US-10-280-183A-575	Sequence 575, App
c1482	13.2	0.6	20	1	US-10-383-864-89	Sequence 89, Appl
1483	13.2	0.6	20	1	US-10-643-432-22	Sequence 22, Appl
c1484	13.2	0.6	20	1	US-10-643-432-93	Sequence 93, Appl
c1485	13.2	0.6	20	1	US-10-293-863-23	Sequence 23, Appl
1486	13.2	0.6	20	1	US-10-293-863-58	Sequence 58, Appl
c1487	13.2	0.6	20	1	US-10-621-758A-20	Sequence 20, Appl
1488	13.2	0.6	20	1	US-10-295-471-23	Sequence 23, Appl
c1489	13.2	0.6	20	1	US-10-295-471-99	Sequence 99, Appl
c1490	13.2	0.6	20	1	US-10-301-832-70	Sequence 70, Appl
1491	13.2	0.6	20	1	US-10-303-327-46	Sequence 46, Appl
c1492	13.2	0.6	20	1	US-10-303-635-24	Sequence 24, Appl
c1493	13.2	0.6	20	1	US-10-303-635-41	Sequence 41, Appl
c1494	13.2	0.6	20	1	US-10-303-635-42	Sequence 42, Appl
1495	13.2	0.6	20	1	US-10-303-635-169	Sequence 169, App
1496	13.2	0.6	20	1	US-10-303-635-174	Sequence 174, App
1497	13.2	0.6	20	1	US-10-303-635-175	Sequence 175, App
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c1499	13.2	0.6	20	1	US-10-688-706-855	Sequence 855, App
c1500	13.2	0.6	20	1	US-10-688-706-916	Sequence 916, App
c1501	13.2	0.6	20	1	US-10-688-706-1337	Sequence 1337, Ap
c1502	13.2	0.6	20	1	US-10-688-706-1500	Sequence 1500, Ap
c1503	13.2	0.6	20	1	US-10-688-706-2055	Sequence 2055, Ap
c1504	13.2	0.6	20	1	US-10-688-706-2713	Sequence 2713, Ap
c1505	13.2	0.6	20	1	US-10-648-593-404	Sequence 404, App
c1506	13.2	0.6	20	1	US-10-316-755-45	Sequence 45, Appl
c1507	13.2	0.6	20	1	US-10-409-600-14	Sequence 14, Appl
c1508	13.2	0.6	20	1	US-10-317-500-136	Sequence 136, App
1509	13.2	0.6	20	1	US-10-317-500-251	Sequence 251, App
c1510	13.2	0.6	20	1	US-10-317-883A-84	Sequence 84, Appl
1511	13.2	0.6	20	1	US-10-317-883A-160	Sequence 160, App
1512	13.2	0.6	20	1	US-10-744-831-44	Sequence 44, Appl
1513	13.2	0.6	20	1	US-10-453-273-5	Sequence 5, Appli
c1514	13.2	0.6	20	1	US-10-606-133-110	Sequence 110, App
c1515	13.2	0.6	20	1	US-10-663-208A-20	Sequence 20, Appl
c1516	13.2	0.6	20	1	US-10-671-395-18	Sequence 18, Appl
c1517	13.2	0.6	20	1	US-10-671-395-37	Sequence 37, Appl
c1518	13.2	0.6	20	1	US-10-671-395-45	Sequence 45, Appl
c1519	13.2	0.6	20	1	US-10-671-395-635	Sequence 635, App
c1520	13.2	0.6	20	1	US-10-671-395-894	Sequence 894, App
c1521	13.2	0.6	20	1	US-10-671-395-965	Sequence 965, App
c1522	13.2	0.6	20	1	US-10-671-395-1583	Sequence 1583, Ap
c1523	13.2	0.6	20	1	US-10-671-395-1710	Sequence 1710, Ap
c1524	13.2	0.6	20	1	US-10-671-395-1718	Sequence 1718, Ap
c1525	13.2	0.6	20	1	US-10-646-301A-20	Sequence 20, Appl
1526	13.2	0.6	20	1	US-10-664-639A-16	Sequence 16, Appl
1527	13.2	0.6	20	1	US-10-745-377-226	Sequence 226, App
1528	13.2	0.6	20	1	US-10-652-795-72	Sequence 72, Appl
1529	13.2	0.6	20	1	US-10-652-795-83	Sequence 83, Appl
c1530	13.2	0.6	20	1	US-10-652-795-319	Sequence 319, App
c1531	13.2	0.6	20	1	US-10-695-089-42	Sequence 42, Appl
1532	13.2	0.6	20	1	US-10-647-918-72	Sequence 72, Appl
1533	13.2	0.6	20	1	US-10-647-918-83	Sequence 83, Appl
c1534	13.2	0.6	20	1	US-10-647-918-319	Sequence 319, App
1535	13.2	0.6	20	1	US-10-766-185-65	Sequence 65, Appl
1536	13.2	0.6	20	1	US-10-744-465-141	Sequence 141, App
c1537	13.2	0.6	20	1	US-10-736-769-20	Sequence 20, Appl
c1538	13.2	0.6	20	1	US-10-365-352-27	Sequence 27, Appl
1539	13.2	0.6	20	1	US-10-365-352-83	Sequence 83, Appl
c1540	13.2	0.6	20	1	US-10-641-455A-205	Sequence 205, App
1541	13	0.6	15	1	US-09-864-785-3689	Sequence 3689, Ap
c1542	13	0.6	15	1	US-09-945-505-18	Sequence 18, Appl
c1543	13	0.6	15	1	US-10-043-875-250	Sequence 250, App
c1544	13	0.6	15	1	US-10-084-839-3505	Sequence 3505, Ap
1545	13	0.6	15	1	US-10-440-850-420	Sequence 420, App
c1546	13	0.6	16	1	US-10-084-839-3483	Sequence 3483, Ap
c1547	13	0.6	16	1	US-10-084-839-3501	Sequence 3501, Ap
c1548	13	0.6	16	1	US-10-277-216-330	Sequence 330, App
c1549	13	0.6	16	1	US-10-126-022-330	Sequence 330, App
1550	13	0.6	17	1	US-09-864-785-2799	Sequence 2799, Ap
1551	13	0.6	17	1	US-09-818-875-955	Sequence 955, App
c1552	13	0.6	17	1	US-09-818-875-956	Sequence 956, App
c1553	13	0.6	17	1	US-09-780-533A-758	Sequence 758, App
c1554	13	0.6	17	1	US-09-780-533A-759	Sequence 759, App
c1555	13	0.6	17	1	US-09-780-164-23	Sequence 23, Appl
c1556	13	0.6	17	1	US-09-923-917-11	Sequence 11, Appl
1557	13	0.6	17	1	US-10-312-932-2	Sequence 2, Appli
c1558	13	0.6	17	1	US-10-156-306-1330	Sequence 1330, Ap
1559	13	0.6	17	1	US-10-209-787-955	Sequence 955, App
c1560	13	0.6	17	1	US-10-209-787-956	Sequence 956, App
1561	13	0.6	17	1	US-10-261-185-955	Sequence 955, App
c1562	13	0.6	17	1	US-10-261-185-956	Sequence 956, App
1563	13	0.6	17	1	US-10-138-674-2781	Sequence 2781, Ap
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1565	13	0.6	17	1	US-10-138-674-2783	Sequence 2783, Ap
1566	13	0.6	17	1	US-10-287-949A-2781	Sequence 2781, Ap

1567	13	0.6	17	1	US-10-287-949A-2782	Sequence 2782, Ap
1568	13	0.6	17	1	US-10-287-949A-2783	Sequence 2783, Ap
c1569	13	0.6	18	1	US-08-779-457-36	Sequence 36, Appl
1570	13	0.6	18	1	US-08-779-457-37	Sequence 37, Appl
c1571	13	0.6	18	1	US-09-969-373-2406	Sequence 2406, Ap
c1572	13	0.6	18	1	US-10-144-179A-39	Sequence 39, Appl
c1573	13	0.6	18	1	US-10-214-802-36	Sequence 36, Appl
1574	13	0.6	18	1	US-10-214-802-37	Sequence 37, Appl
c1575	13	0.6	18	1	US-10-349-143-4796	Sequence 4796, Ap
c1576	13	0.6	18	1	US-10-435-489-39	Sequence 39, Appl
c1577	13	0.6	18	1	US-10-206-618-33	Sequence 33, Appl
1578	13	0.6	19	1	US-09-730-617-100	Sequence 100, App
1579	13	0.6	19	1	US-10-251-117-188	Sequence 188, App
c1580	13	0.6	19	1	US-10-251-117-437	Sequence 437, App
1581	13	0.6	19	1	US-10-205-309-121	Sequence 121, App
c1582	13	0.6	19	1	US-10-205-309-446	Sequence 446, App
c1583	13	0.6	19	1	US-10-349-143-5976	Sequence 5976, Ap
1584	13	0.6	19	1	US-10-349-143-7292	Sequence 7292, Ap
1585	13	0.6	19	1	US-10-349-143-7382	Sequence 7382, Ap
1586	13	0.6	19	1	US-10-444-795B-150	Sequence 150, App
c1587	13	0.6	19	1	US-10-444-795B-151	Sequence 151, App
c1588	13	0.6	20	1	US-09-752-639-33	Sequence 33, Appl
c1589	13	0.6	20	1	US-09-984-198-33	Sequence 33, Appl
1590	13	0.6	20	1	US-10-335-977-9870	Sequence 9870, Ap
c1591	13	0.6	20	1	US-10-380-124-45	Sequence 45, Appl
1592	13	0.6	20	1	US-09-923-517-129	Sequence 129, App
1593	13	0.6	20	1	US-09-923-517-137	Sequence 137, App
c1594	13	0.6	20	1	US-10-060-301-87	Sequence 87, Appl
c1595	13	0.6	20	1	US-10-060-301-89	Sequence 89, Appl
1596	13	0.6	20	1	US-10-222-334-22	Sequence 22, Appl
1597	13	0.6	20	1	US-10-053-192-8	Sequence 8, Appli
1598	13	0.6	20	1	US-10-271-887-57	Sequence 57, Appl
c1599	13	0.6	20	1	US-10-007-078-82	Sequence 82, Appl
1600	13	0.6	20	1	US-10-430-196-129	Sequence 129, App
1601	13	0.6	20	1	US-10-430-196-137	Sequence 137, App
1602	13	0.6	20	1	US-10-005-344-351	Sequence 351, App
c1603	13	0.6	20	1	US-10-175-239-14	Sequence 14, Appl
c1604	13	0.6	20	1	US-10-175-239-35	Sequence 35, Appl
1605	13	0.6	20	1	US-10-175-239-51	Sequence 51, Appl
1606	13	0.6	20	1	US-10-175-239-70	Sequence 70, Appl
c1607	13	0.6	20	1	US-10-435-696-250	Sequence 250, App
c1608	13	0.6	20	1	US-10-211-179-79	Sequence 79, Appl
c1609	13	0.6	20	1	US-10-272-727-82	Sequence 82, Appl
c1610	13	0.6	20	1	US-10-272-811-82	Sequence 82, Appl
c1611	13	0.6	20	1	US-10-274-311-82	Sequence 82, Appl
c1612	13	0.6	20	1	US-10-274-387-82	Sequence 82, Appl
1613	13	0.6	20	1	US-10-316-389-75	Sequence 75, Appl
c1614	13	0.6	20	1	US-10-317-271A-64	Sequence 64, Appl
1615	13	0.6	20	1	US-10-317-271A-140	Sequence 140, App
1616	13	0.6	20	1	US-10-317-500-145	Sequence 145, App
c1617	13	0.6	20	1	US-10-317-500-260	Sequence 260, App
c1618	13	0.6	20	1	US-10-671-395-1102	Sequence 1102, Ap
c1619	12.8	0.6	20	1	US-09-758-881-44	Sequence 44, Appl
1620	12.6	0.6	20	1	US-09-754-167-67	Sequence 67, Appl
1621	12.6	0.6	20	1	US-10-380-124-44	Sequence 44, Appl
1622	12.6	0.6	20	1	US-10-144-488-18	Sequence 18, Appl
c1623	12.6	0.6	21	1	US-10-364-029-19	Sequence 19, Appl
1624	12.4	0.6	20	1	US-09-754-167-61	Sequence 61, Appl
1625	12.4	0.6	20	1	US-10-161-803-2	Sequence 2, Appli
c1626	12.4	0.6	25	1	US-10-098-263B-129330	Sequence 129330,
1627	12.2	0.6	17	1	US-09-827-395A-723	Sequence 723, App
1628	12.2	0.6	17	1	US-10-430-882-723	Sequence 723, App
1629	12.2	0.6	17	1	US-09-866-108-973	Sequence 973, App
1630	12.2	0.6	17	1	US-10-723-361-973	Sequence 973, App
c1631	12.2	0.6	17	1	US-10-138-674-2782	Sequence 2782, Ap
c1632	12.2	0.6	17	1	US-10-287-949A-2782	Sequence 2782, Ap

ALIGNMENTS

RESULT 1
US-10-475-681-26/c

; Sequence 26, Application US/10475681
; Publication No. US20040126877A1
; GENERAL INFORMATION:
; APPLICANT: HUR, Man-Wook
; TITLE OF INVENTION: Repressors for HIV transcription and methods thereof
; FILE REFERENCE: 11281-015-999
; CURRENT APPLICATION NUMBER: US/10/475,681
; CURRENT FILING DATE: 2003-10-20
; PRIOR APPLICATION NUMBER: KR2001-21449
; PRIOR FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: KR2002-21307
; PRIOR FILING DATE: 2002-04-18
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: KopatentIn 1.71
; SEQ ID NO 26
; LENGTH: 41
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-10-475-681-26

Query Match 1.6%; Score 33; DB 1; Length 41;
Best Local Similarity 87.8%; Pred. No. 0.77;
Matches 36; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1479 CAAAGGGGTCAAGGAGGAGGTCAAGTTGGCCTGAATGGACC 1519
||||||||||||||||||||||||||||||| | | || |
Db 41 CAAAGGGGTCAAGGAGGAGGTCAAGTTGGCCGAATTCGATC 1

RESULT 2
US-10-475-681-25
; Sequence 25, Application US/10475681
; Publication No. US20040126877A1
; GENERAL INFORMATION:
; APPLICANT: HUR, Man-Wook
; TITLE OF INVENTION: Repressors for HIV transcription and methods thereof
; FILE REFERENCE: 11281-015-999
; CURRENT APPLICATION NUMBER: US/10/475,681
; CURRENT FILING DATE: 2003-10-20
; PRIOR APPLICATION NUMBER: KR2001-21449
; PRIOR FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: KR2002-21307
; PRIOR FILING DATE: 2002-04-18
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: KopatentIn 1.71
; SEQ ID NO 25
; LENGTH: 40
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-10-475-681-25

Query Match 1.3%; Score 27; DB 1; Length 40;
Best Local Similarity 100.0%; Pred. No. 9.8;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 64 ATGGCGCAGACGCAGGGCACCCGGAGG 90
|||||||||||||||||||||||||||
Db 14 ATGGCGCAGACGCAGGGCACCCGGAGG 40

RESULT 3
US-10-189-818B-39/c
; Sequence 39, Application US/10189818B
; Publication No. US20040072770A1
; GENERAL INFORMATION:
; APPLICANT: BESTERMAN, JEFFREY M.
; APPLICANT: ZUOMEI, LI
; APPLICANT: DELORME, DANIEL
; APPLICANT: BONFILS, CLAIRE

```
;  TITLE OF INVENTION: METHODS FOR SPECIFICALLY INHIBITING HISTONE DEACTYLASE-7 AND 8
;  FILE REFERENCE: MET-024US1(1002/025)
;  CURRENT APPLICATION NUMBER: US/10/189,818B
;  CURRENT FILING DATE:  2002-07-03
;  NUMBER OF SEQ ID NOS: 41
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 39
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-189-818B-39

  Query Match             1.3%;  Score 26.8;  DB 1;  Length 30;
  Best Local Similarity   93.3%;  Pred. No. 6.5;
  Matches   28;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1486 GTCAAGGAGGAGGTCAAGTTGGCCTGAATG 1515
              ||||||||||||||| | ||||||||||||
Db         30 GTCAAGGAGGAGGTCGACTTGGCCTGAATG 1


RESULT 4
US-09-754-167-6
; Sequence 6, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 6
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: PCR Probe
US-09-754-167-6

  Query Match             1.2%;  Score 26;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 7.1;
  Matches   26;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1961 AGCCAAGAAACACTGCCTGCCCTCTG 1986
              ||||||||||||||||||||||||||
Db          1 AGCCAAGAAACACTGCCTGCCCTCTG 26


RESULT 5
US-09-563-728A-4/c
; Sequence 4, Application US/09563728A
; Publication No. US20030078216A1
; GENERAL INFORMATION:
;  APPLICANT:  MacLeod, Alan R
;  APPLICANT:  Li, Zoumei
;  APPLICANT:  Besterman, Jeffrey M
;  TITLE OF INVENTION:  Inhibition of Histone Deaceylase
;  FILE REFERENCE:  106101.229
;  CURRENT APPLICATION NUMBER: US/09/563,728A
;  CURRENT FILING DATE:  2000-05-03
;  PRIOR APPLICATION NUMBER:  60/132,287
;  PRIOR FILING DATE:  1999-05-03
;  NUMBER OF SEQ ID NOS:  36
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 4
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: synthetic
;   OTHER INFORMATION: oligonucleotide
US-09-563-728A-4

  Query Match             1.2%;  Score 26;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 7.1;
  Matches   26;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       164 GAATCCGCATGACTCATAATTTGCTG 189
             ||||||||||||||||||||||||||
Db        26 GAATCCGCATGACTCATAATTTGCTG 1


RESULT 6
US-09-563-728A-13/c
; Sequence 13, Application US/09563728A
; Publication No. US20030078216A1
; GENERAL INFORMATION:
;  APPLICANT:  MacLeod, Alan R
;  APPLICANT:  Li, Zoumei
;  APPLICANT:  Besterman, Jeffrey M
;  TITLE OF INVENTION:  Inhibition of Histone Deaceylase
;  FILE REFERENCE:  106101.229
;  CURRENT APPLICATION NUMBER: US/09/563,728A
;  CURRENT FILING DATE:  2000-05-03
;  PRIOR APPLICATION NUMBER:  60/132,287
;  PRIOR FILING DATE:  1999-05-03
;  NUMBER OF SEQ ID NOS:  36
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 13
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: modified_base
;   LOCATION: 1-4 and 23-26 are modified
;   OTHER INFORMATION: Positions 1-4 and 23-26 are 2'-methoxyribose
;   OTHER INFORMATION: substituted nucleotides; positions 5-22 are
;   OTHER INFORMATION: deoxyribonucleotides
US-09-563-728A-13

  Query Match             1.2%;  Score 26;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 7.1;
  Matches   26;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       164 GAATCCGCATGACTCATAATTTGCTG 189
             ||||||||||||||||||||||||||
Db        26 GAATCCGCATGACTCATAATTTGCTG 1


RESULT 7
US-10-145-493B-47/c
; Sequence 47, Application US/10145493B
; Publication No. US20030096777A1
; GENERAL INFORMATION:
;  APPLICANT: Besterman, Jeffrey
;  APPLICANT:  MacLeod, Robert
;  APPLICANT:  Siders, William
;  TITLE OF INVENTION: Modulation of Gene Expression by Combination Therapy
;  FILE REFERENCE: MET-015DV
;  CURRENT APPLICATION NUMBER: US/10/145,493B
;  CURRENT FILING DATE:  2002-05-14
;  PRIOR APPLICATION NUMBER: 09/420,692
;  PRIOR FILING DATE: 1999-10-19
;  PRIOR APPLICATION NUMBER: US 60/104,804
;  PRIOR FILING DATE: 1998-10-19
;  NUMBER OF SEQ ID NOS: 90
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 47
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
```

OTHER INFORMATION: primer
S-10-145-493B-47

Query Match 1.2%; Score 26; DB 1; Length 26;
Best Local Similarity 100.0%; Pred. No. 7.1;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 164 GAATCCGCATGACTCATAATTTGCTG 189
||||||||||||||||||||||||||
Db 26 GAATCCGCATGACTCATAATTTGCTG 1

RESULT 8
US-10-145-493B-90/c
Sequence 90, Application US/10145493B
Publication No. US20030096777A1
GENERAL INFORMATION:
APPLICANT: Besterman, Jeffrey
APPLICANT: MacLeod, Robert
APPLICANT: Siders, William
TITLE OF INVENTION: Modulation of Gene Expression by Combination Therapy
FILE REFERENCE: MET-015DV
CURRENT APPLICATION NUMBER: US/10/145,493B
CURRENT FILING DATE: 2002-05-14
PRIOR APPLICATION NUMBER: 09/420,692
PRIOR FILING DATE: 1999-10-19
PRIOR APPLICATION NUMBER: US 60/104,804
PRIOR FILING DATE: 1998-10-19
NUMBER OF SEQ ID NOS: 90
SOFTWARE: PatentIn version 3.0
SEQ ID NO 90
LENGTH: 26
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: primer
US-10-145-493B-90

Query Match 1.2%; Score 25; DB 1; Length 26;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 165 AATCCGCATGACTCATAATTTGCTG 189
|||||||||||||||||||||||||
Db 25 AATCCGCATGACTCATAATTTGCTG 1

RESULT 9
US-10-475-681-35
; Sequence 35, Application US/10475681
; Publication No. US20040126877A1
; GENERAL INFORMATION:
; APPLICANT: HUR, Man-Wook
; TITLE OF INVENTION: Repressors for HIV transcription and methods thereof
; FILE REFERENCE: 11281-015-999
; CURRENT APPLICATION NUMBER: US/10/475,681
; CURRENT FILING DATE: 2003-10-20
; PRIOR APPLICATION NUMBER: KR2001-21449
; PRIOR FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: KR2002-21307
; PRIOR FILING DATE: 2002-04-18
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: KopatentIn 1.71
; SEQ ID NO 35
; LENGTH: 35
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-10-475-681-35

Query Match 1.2%; Score 25; DB 1; Length 35;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 64 ATGGCGCAGACGCAGGGCACCCGGA 88
|||||||||||||||||||||||||
Db 11 ATGGCGCAGACGCAGGGCACCCGGA 35

RESULT 10
US-10-475-681-36/c
; Sequence 36, Application US/10475681
; Publication No. US20040126877A1
; GENERAL INFORMATION:
; APPLICANT: HUR, Man-Wook
; TITLE OF INVENTION: Repressors for HIV transcription and methods thereof
; FILE REFERENCE: 11281-015-999
; CURRENT APPLICATION NUMBER: US/10/475,681
; CURRENT FILING DATE: 2003-10-20
; PRIOR APPLICATION NUMBER: KR2001-21449
; PRIOR FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: KR2002-21307
; PRIOR FILING DATE: 2002-04-18
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: KopatentIn 1.71
; SEQ ID NO 36
; LENGTH: 35
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-10-475-681-36

Query Match 1.2%; Score 25; DB 1; Length 35;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1488 CAAGGAGGAGGTCAAGTTGGCCTGA 1512
|||||||||||||||||||||||||
Db 35 CAAGGAGGAGGTCAAGTTGGCCTGA 11

RESULT 11
US-09-563-728A-2/c
; Sequence 2, Application US/09563728A
; Publication No. US20030078216A1
; GENERAL INFORMATION:
; APPLICANT: MacLeod, Alan R
; APPLICANT: Li, Zoumei
; APPLICANT: Besterman, Jeffrey M
; TITLE OF INVENTION: Inhibition of Histone Deaceylase
; FILE REFERENCE: 106101.229
; CURRENT APPLICATION NUMBER: US/09/563,728A
; CURRENT FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: 60/132,287
; PRIOR FILING DATE: 1999-05-03
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 26
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: oligonucleotide
US-09-563-728A-2

Query Match 1.2%; Score 24.4; DB 1; Length 26;
Best Local Similarity 96.2%; Pred. No. 14;
Matches 25; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 164 GAATCCGCATGACTCATAATTTGCTG 189
||||||||||||| ||||||||||||
Db 26 GAATCCGCATGACCCATAATTTGCTG 1

```
RESULT 12
US-09-563-728A-3/c
; Sequence 3, Application US/09563728A
; Publication No. US20030078216A1
; GENERAL INFORMATION:
;  APPLICANT:  MacLeod, Alan R
;  APPLICANT:  Li, Zoumei
;  APPLICANT:  Besterman, Jeffrey M
;  TITLE OF INVENTION:  Inhibition of Histone Deaceylase
;  FILE REFERENCE:  106101.229
;  CURRENT APPLICATION NUMBER: US/09/563,728A
;  CURRENT FILING DATE:  2000-05-03
;  PRIOR APPLICATION NUMBER:  60/132,287
;  PRIOR FILING DATE:  1999-05-03
;  NUMBER OF SEQ ID NOS:  36
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 3
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: synthetic
;   OTHER INFORMATION: oligonucleotide
US-09-563-728A-3

  Query Match             1.2%;  Score 24.4;  DB 1;  Length 26;
  Best Local Similarity   96.2%;  Pred. No. 14;
  Matches   25;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        164 GAATCCGCATGACTCATAATTTGCTG 189
              ||||||||||||||||||| ||||||
Db         26 GAATCCGCATGACTCATAACTTGCTG 1


RESULT 13
US-09-563-728A-11/c
; Sequence 11, Application US/09563728A
; Publication No. US20030078216A1
; GENERAL INFORMATION:
;  APPLICANT:  MacLeod, Alan R
;  APPLICANT:  Li, Zoumei
;  APPLICANT:  Besterman, Jeffrey M
;  TITLE OF INVENTION:  Inhibition of Histone Deaceylase
;  FILE REFERENCE:  106101.229
;  CURRENT APPLICATION NUMBER: US/09/563,728A
;  CURRENT FILING DATE:  2000-05-03
;  PRIOR APPLICATION NUMBER:  60/132,287
;  PRIOR FILING DATE:  1999-05-03
;  NUMBER OF SEQ ID NOS:  36
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 11
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: modified_base
;   LOCATION: 1-4 and 23-26 are modified
;   OTHER INFORMATION: Positions 1-4 and 23-26 are 2'-methoxyribose
;   OTHER INFORMATION: substituted nucleotides; positions 5-22 are
;   OTHER INFORMATION: deoxyribonucleotides
US-09-563-728A-11

  Query Match             1.2%;  Score 24.4;  DB 1;  Length 26;
  Best Local Similarity   96.2%;  Pred. No. 14;
  Matches   25;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        164 GAATCCGCATGACTCATAATTTGCTG 189
              ||||||||||||| ||||||||||||
Db         26 GAATCCGCATGACCCATAATTTGCTG 1


RESULT 14
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```
US-09-563-728A-12/c
; Sequence 12, Application US/09563728A
; Publication No. US20030078216A1
; GENERAL INFORMATION:
;  APPLICANT:  MacLeod, Alan R
;  APPLICANT:  Li, Zoumei
;  APPLICANT:  Besterman, Jeffrey M
;  TITLE OF INVENTION:  Inhibition of Histone Deaceylase
;  FILE REFERENCE:  106101.229
;  CURRENT APPLICATION NUMBER: US/09/563,728A
;  CURRENT FILING DATE:  2000-05-03
;  PRIOR APPLICATION NUMBER:  60/132,287
;  PRIOR FILING DATE:  1999-05-03
;  NUMBER OF SEQ ID NOS:  36
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 12
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: modified_base
;   LOCATION: 1-4 and 23-26 are modified
;   OTHER INFORMATION: Positions 1-4 and 23-26 are 2'-methoxyribose
;   OTHER INFORMATION: substituted nucleotides; positions 5-22 are
;   OTHER INFORMATION: deoxyribonucleotides
US-09-563-728A-12

  Query Match             1.2%;  Score 24.4;  DB 1;  Length 26;
  Best Local Similarity   96.2%;  Pred. No. 14;
  Matches   25;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        164 GAATCCGCATGACTCATAATTTGCTG 189
              ||||||||||||||||||| ||||||
Db         26 GAATCCGCATGACTCATAACTTGCTG 1


RESULT 15
US-09-754-167-5/c
; Sequence 5, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 5
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: PCR Primer
US-09-754-167-5

  Query Match             1.1%;  Score 24;  DB 1;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 15;
  Matches   24;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1989 TGTCTTCTCCTAATTCTGCAGGTG 2012
              ||||||||||||||||||||||||
Db         24 TGTCTTCTCCTAATTCTGCAGGTG 1


RESULT 16
US-10-145-493B-82/c
; Sequence 82, Application US/10145493B
; Publication No. US20030096777A1
; GENERAL INFORMATION:
;  APPLICANT: Besterman, Jeffrey
;  APPLICANT:  MacLeod, Robert
;  APPLICANT:  Siders, William
```

```
  TITLE OF INVENTION: Modulation of Gene Expression by Combination Therapy
  FILE REFERENCE: MET-015DV
  CURRENT APPLICATION NUMBER: US/10/145,493B
  CURRENT FILING DATE:  2002-05-14
  PRIOR APPLICATION NUMBER: 09/420,692
  PRIOR FILING DATE: 1999-10-19
  PRIOR APPLICATION NUMBER: US 60/104,804
  PRIOR FILING DATE: 1998-10-19
  NUMBER OF SEQ ID NOS: 90
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 82
   LENGTH: 26
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: primer
JS-10-145-493B-82

  Query Match             1.1%;  Score 23.4;  DB 1;  Length 26;
  Best Local Similarity   96.0%;  Pred. No. 22;
  Matches   24;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        165 AATCCGCATGACTCATAATTTGCTG 189
              ||||||||||||| ||||||||||||
Db         25 AATCCGCATGACCCATAATTTGCTG 1


RESULT 17
JS-10-145-493B-83/c
; Sequence 83, Application US/10145493B
; Publication No. US20030096777A1
; GENERAL INFORMATION:
;  APPLICANT: Besterman, Jeffrey
;  APPLICANT:  MacLeod, Robert
;  APPLICANT:  Siders, William
;  TITLE OF INVENTION: Modulation of Gene Expression by Combination Therapy
;  FILE REFERENCE: MET-015DV
;  CURRENT APPLICATION NUMBER: US/10/145,493B
;  CURRENT FILING DATE:  2002-05-14
;  PRIOR APPLICATION NUMBER: 09/420,692
;  PRIOR FILING DATE: 1999-10-19
;  PRIOR APPLICATION NUMBER: US 60/104,804
;  PRIOR FILING DATE: 1998-10-19
;  NUMBER OF SEQ ID NOS: 90
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 83
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
US-10-145-493B-83

  Query Match             1.1%;  Score 23.4;  DB 1;  Length 26;
  Best Local Similarity   96.0%;  Pred. No. 22;
  Matches   24;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        165 AATCCGCATGACTCATAATTTGCTG 189
              |||||||||||||||||| ||||||
Db         25 AATCCGCATGACTCATAACTTGCTG 1


RESULT 18
US-10-145-493B-45/c
; Sequence 45, Application US/10145493B
; Publication No. US20030096777A1
; GENERAL INFORMATION:
;  APPLICANT: Besterman, Jeffrey
;  APPLICANT:  MacLeod, Robert
;  APPLICANT:  Siders, William
;  TITLE OF INVENTION: Modulation of Gene Expression by Combination Therapy
;  FILE REFERENCE: MET-015DV
;  CURRENT APPLICATION NUMBER: US/10/145,493B
;  CURRENT FILING DATE:  2002-05-14
;  PRIOR APPLICATION NUMBER: 09/420,692
;  PRIOR FILING DATE: 1999-10-19
;  PRIOR APPLICATION NUMBER: US 60/104,804
;  PRIOR FILING DATE: 1998-10-19
;  NUMBER OF SEQ ID NOS: 90
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 45
;   LENGTH: 23
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
US-10-145-493B-45

  Query Match             1.1%;  Score 23;  DB 1;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 21;
  Matches   23;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         91 AAAGTCTGTTACTACTACGACGG 113
              |||||||||||||||||||||||
Db         23 AAAGTCTGTTACTACTACGACGG 1


RESULT 19
US-09-563-728A-5/c
; Sequence 5, Application US/09563728A
; Publication No. US20030078216A1
; GENERAL INFORMATION:
;  APPLICANT:  MacLeod, Alan R
;  APPLICANT:  Li, Zoumei
;  APPLICANT:  Besterman, Jeffrey M
;  TITLE OF INVENTION:  Inhibition of Histone Deaceylase
;  FILE REFERENCE:  106101.229
;  CURRENT APPLICATION NUMBER: US/09/563,728A
;  CURRENT FILING DATE:  2000-05-03
;  PRIOR APPLICATION NUMBER:  60/132,287
;  PRIOR FILING DATE:  1999-05-03
;  NUMBER OF SEQ ID NOS:  36
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 5
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: synthetic
;   OTHER INFORMATION: oligonucleotide
US-09-563-728A-5

  Query Match             1.1%;  Score 22.8;  DB 1;  Length 26;
  Best Local Similarity   92.3%;  Pred. No. 28;
  Matches   24;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        164 GAATCCGCATGACTCATAATTTGCTG 189
              ||||||||||||| ||||| ||||||
Db         26 GAATCCGCATGACCCATAACTTGCTG 1


RESULT 20
US-09-563-728A-14/c
; Sequence 14, Application US/09563728A
; Publication No. US20030078216A1
; GENERAL INFORMATION:
;  APPLICANT:  MacLeod, Alan R
;  APPLICANT:  Li, Zoumei
;  APPLICANT:  Besterman, Jeffrey M
;  TITLE OF INVENTION:  Inhibition of Histone Deaceylase
;  FILE REFERENCE:  106101.229
;  CURRENT APPLICATION NUMBER: US/09/563,728A
;  CURRENT FILING DATE:  2000-05-03
;  PRIOR APPLICATION NUMBER:  60/132,287
;  PRIOR FILING DATE:  1999-05-03
;  NUMBER OF SEQ ID NOS:  36
```

```
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 14
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: modified_base
;   LOCATION: 1-4 and 23-26 are modified
;   OTHER INFORMATION: Positions 1-4 and 23-26 are 2'-methoxyribose
;   OTHER INFORMATION: substituted nucleotides; positions 5-22 are
;   OTHER INFORMATION: deoxyribonucleotides
US-09-563-728A-14

  Query Match             1.1%;  Score 22.8;  DB 1;  Length 26;
  Best Local Similarity   92.3%;  Pred. No. 28;
  Matches   24;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        164 GAATCCGCATGACTCATAATTTGCTG 189
              ||||||||||||| ||||| ||||||
Db         26 GAATCCGCATGACCCATAACTTGCTG 1


RESULT 21
US-10-145-493B-55/c
; Sequence 55, Application US/10145493B
; Publication No. US20030096777A1
; GENERAL INFORMATION:
;  APPLICANT: Besterman, Jeffrey
;  APPLICANT:  MacLeod, Robert
;  APPLICANT:  Siders, William
;  TITLE OF INVENTION: Modulation of Gene Expression by Combination Therapy
;  FILE REFERENCE: MET-015DV
;  CURRENT APPLICATION NUMBER: US/10/145,493B
;  CURRENT FILING DATE:  2002-05-14
;  PRIOR APPLICATION NUMBER: 09/420,692
;  PRIOR FILING DATE: 1999-10-19
;  PRIOR APPLICATION NUMBER: US 60/104,804
;  PRIOR FILING DATE: 1998-10-19
;  NUMBER OF SEQ ID NOS: 90
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 55
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
US-10-145-493B-55

  Query Match             1.1%;  Score 22.8;  DB 1;  Length 26;
  Best Local Similarity   92.3%;  Pred. No. 28;
  Matches   24;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        164 GAATCCGCATGACTCATAATTTGCTG 189
              ||||||||||||| ||||| ||||||
Db         26 GAATCCGCATGACCCATAACTTGCTG 1


RESULT 22
US-10-145-493B-46/c
; Sequence 46, Application US/10145493B
; Publication No. US20030096777A1
; GENERAL INFORMATION:
;  APPLICANT: Besterman, Jeffrey
;  APPLICANT:  MacLeod, Robert
;  APPLICANT:  Siders, William
;  TITLE OF INVENTION: Modulation of Gene Expression by Combination Therapy
;  FILE REFERENCE: MET-015DV
;  CURRENT APPLICATION NUMBER: US/10/145,493B
;  CURRENT FILING DATE:  2002-05-14
;  PRIOR APPLICATION NUMBER: 09/420,692
;  PRIOR FILING DATE: 1999-10-19
;  PRIOR APPLICATION NUMBER: US 60/104,804
;  PRIOR FILING DATE: 1998-10-19
;  NUMBER OF SEQ ID NOS: 90
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 46
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
US-10-145-493B-46

  Query Match             1.1%;  Score 22;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 30;
  Matches   22;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        119 TTGGAAATTACTATTATGGACA 140
              ||||||||||||||||||||||
Db         22 TTGGAAATTACTATTATGGACA 1


RESULT 23
US-10-145-493B-89/c
; Sequence 89, Application US/10145493B
; Publication No. US20030096777A1
; GENERAL INFORMATION:
;  APPLICANT: Besterman, Jeffrey
;  APPLICANT:  MacLeod, Robert
;  APPLICANT:  Siders, William
;  TITLE OF INVENTION: Modulation of Gene Expression by Combination Therapy
;  FILE REFERENCE: MET-015DV
;  CURRENT APPLICATION NUMBER: US/10/145,493B
;  CURRENT FILING DATE:  2002-05-14
;  PRIOR APPLICATION NUMBER: 09/420,692
;  PRIOR FILING DATE: 1999-10-19
;  PRIOR APPLICATION NUMBER: US 60/104,804
;  PRIOR FILING DATE: 1998-10-19
;  NUMBER OF SEQ ID NOS: 90
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 89
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
US-10-145-493B-89

  Query Match             1.0%;  Score 21.8;  DB 1;  Length 26;
  Best Local Similarity   92.0%;  Pred. No. 43;
  Matches   23;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        165 AATCCGCATGACTCATAATTTGCTG 189
              ||||||||||||| ||||| ||||||
Db         25 AATCCGCATGACCCATAACTTGCTG 1


RESULT 24
US-10-145-493B-53/c
; Sequence 53, Application US/10145493B
; Publication No. US20030096777A1
; GENERAL INFORMATION:
;  APPLICANT: Besterman, Jeffrey
;  APPLICANT:  MacLeod, Robert
;  APPLICANT:  Siders, William
;  TITLE OF INVENTION: Modulation of Gene Expression by Combination Therapy
;  FILE REFERENCE: MET-015DV
;  CURRENT APPLICATION NUMBER: US/10/145,493B
;  CURRENT FILING DATE:  2002-05-14
;  PRIOR APPLICATION NUMBER: 09/420,692
;  PRIOR FILING DATE: 1999-10-19
;  PRIOR APPLICATION NUMBER: US 60/104,804
;  PRIOR FILING DATE: 1998-10-19
;  NUMBER OF SEQ ID NOS: 90
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 53
```

LENGTH: 23
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: primer
/S-10-145-493B-53

Query Match 1.0%; Score 21.4; DB 1; Length 23;
Best Local Similarity 95.7%; Pred. No. 41;
Matches 22; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 91 AAAGTCTGTTACTACTACGACGG 113
||||||| ||||||||||||||
Db 23 AAAGTCTGCTACTACTACGACGG 1

RESULT 25
/S-10-157-382-3
; Sequence 3, Application US/10157382
; Publication No. US20030082668A1
; GENERAL INFORMATION:
; APPLICANT: TAMAI, Katsuyuki
; APPLICANT: MIYAZAKI, Toshiaki
; APPLICANT: WADA, Emi
; APPLICANT: TATSUZAWA, Ayumi
; TITLE OF INVENTION: METHOD FOR MEASURING THE ACTIVITY OF DEACETYLASE
; TITLE OF INVENTION: AND METHOD OF SCREENING FOR INHIBITORS AND ACCELERATORS
; TITLE OF INVENTION: OF THE ENZYME
; FILE REFERENCE: M3-109PCT-US(CIP)
; CURRENT APPLICATION NUMBER: US/10/157,382
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: PCT/JP00/08417
; PRIOR FILING DATE: 2000-11-21
; PRIOR APPLICATION NUMBER: JP 1999-338565
; PRIOR FILING DATE: 1999-11-29
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Artificially
; OTHER INFORMATION: Synthesized Primer Sequence
US-10-157-382-3

Query Match 1.0%; Score 21; DB 1; Length 30;
Best Local Similarity 100.0%; Pred. No. 77;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 64 ATGGCGCAGACGCAGGGCACC 84
|||||||||||||||||||||
Db 10 ATGGCGCAGACGCAGGGCACC 30

RESULT 26
US-10-157-382-4/c
; Sequence 4, Application US/10157382
; Publication No. US20030082668A1
; GENERAL INFORMATION:
; APPLICANT: TAMAI, Katsuyuki
; APPLICANT: MIYAZAKI, Toshiaki
; APPLICANT: WADA, Emi
; APPLICANT: TATSUZAWA, Ayumi
; TITLE OF INVENTION: METHOD FOR MEASURING THE ACTIVITY OF DEACETYLASE
; TITLE OF INVENTION: AND METHOD OF SCREENING FOR INHIBITORS AND ACCELERATORS
; TITLE OF INVENTION: OF THE ENZYME
; FILE REFERENCE: M3-109PCT-US(CIP)
; CURRENT APPLICATION NUMBER: US/10/157,382
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: PCT/JP00/08417
; PRIOR FILING DATE: 2000-11-21
; PRIOR APPLICATION NUMBER: JP 1999-338565
; PRIOR FILING DATE: 1999-11-29
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Artificially
; OTHER INFORMATION: Synthesized Primer Sequence
US-10-157-382-4

Query Match 1.0%; Score 21; DB 1; Length 30;
Best Local Similarity 100.0%; Pred. No. 77;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1489 AAGGAGGAGGTCAAGTTGGCC 1509
|||||||||||||||||||||
Db 30 AAGGAGGAGGTCAAGTTGGCC 10

RESULT 27
US-10-145-493B-54/c
; Sequence 54, Application US/10145493B
; Publication No. US20030096777A1
; GENERAL INFORMATION:
; APPLICANT: Besterman, Jeffrey
; APPLICANT: MacLeod, Robert
; APPLICANT: Siders, William
; TITLE OF INVENTION: Modulation of Gene Expression by Combination Therapy
; FILE REFERENCE: MET-015DV
; CURRENT APPLICATION NUMBER: US/10/145,493B
; CURRENT FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: 09/420,692
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: US 60/104,804
; PRIOR FILING DATE: 1998-10-19
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 54
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: primer
US-10-145-493B-54

Query Match 1.0%; Score 20.4; DB 1; Length 22;
Best Local Similarity 95.5%; Pred. No. 59;
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 119 TTGGAAATTACTATTATGGACA 140
||||||||| ||||||||||
Db 22 TTGGAAATTATTATTATGGACA 1

RESULT 28
US-09-754-167-10/c
; Sequence 10, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
; FILE REFERENCE: RTS-0140
; CURRENT APPLICATION NUMBER: US/09/754,167
; CURRENT FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 10
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:

```
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-10

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          9 CCGCGGGCGGGAGGGCGGAC 28
              ||||||||||||||||||||
Db         20 CCGCGGGCGGGAGGGCGGAC 1


RESULT 29
US-09-754-167-11/c
; Sequence 11, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 11
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-11

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         36 CTGACGGTAGGGACGGGAGG 55
              ||||||||||||||||||||
Db         20 CTGACGGTAGGGACGGGAGG 1


RESULT 30
US-09-754-167-12/c
; Sequence 12, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 12
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-12

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         54 GGCGAGCAAGATGGCGCAGA 73
              ||||||||||||||||||||
Db         20 GGCGAGCAAGATGGCGCAGA 1


RESULT 31
US-09-754-167-13/c
; Sequence 13, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 13
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-13

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         87 GAGGAAAGTCTGTTACTACT 106
              ||||||||||||||||||||
Db         20 GAGGAAAGTCTGTTACTACT 1


RESULT 32
US-09-754-167-14/c
; Sequence 14, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 14
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-14

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        181 AATTTGCTGCTCAACTATGG 200
              ||||||||||||||||||||
Db         20 AATTTGCTGCTCAACTATGG 1


RESULT 33
US-09-754-167-15/c
; Sequence 15, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 15
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
```

```
S-09-754-167-15

 Query Match             1.0%;  Score 20;  DB 1;  Length 20;
 Best Local Similarity   100.0%;  Pred. No. 59;
 Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        186 GCTGCTCAACTATGGTCTCT 205
              ||||||||||||||||||||
Db         20 GCTGCTCAACTATGGTCTCT 1


RESULT 34
JS-09-754-167-16/c
; Sequence 16, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 16
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
JS-09-754-167-16

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        191 TCAACTATGGTCTCTACCGA 210
              ||||||||||||||||||||
Db         20 TCAACTATGGTCTCTACCGA 1


RESULT 35
US-09-754-167-17/c
; Sequence 17, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 17
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-17

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        196 TATGGTCTCTACCGAAAAAT 215
              ||||||||||||||||||||
Db         20 TATGGTCTCTACCGAAAAAT 1


RESULT 36
US-09-754-167-18/c
; Sequence 18, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 18
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-18

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        226 CGCCCTCACAAAGCCAATGC 245
              ||||||||||||||||||||
Db         20 CGCCCTCACAAAGCCAATGC 1


RESULT 37
US-09-754-167-19/c
; Sequence 19, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 19
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-19

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        231 TCACAAAGCCAATGCTGAGG 250
              ||||||||||||||||||||
Db         20 TCACAAAGCCAATGCTGAGG 1


RESULT 38
US-09-754-167-20/c
; Sequence 20, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 20
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-20
```

```
  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        236 AAGCCAATGCTGAGGAGATG 255
              ||||||||||||||||||||
Db         20 AAGCCAATGCTGAGGAGATG 1


RESULT 39
US-09-754-167-21/c
; Sequence 21, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 21
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-21

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        241 AATGCTGAGGAGATGACCAA 260
              ||||||||||||||||||||
Db         20 AATGCTGAGGAGATGACCAA 1


RESULT 40
US-09-754-167-22/c
; Sequence 22, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 22
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-22

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        246 TGAGGAGATGACCAAGTACC 265
              ||||||||||||||||||||
Db         20 TGAGGAGATGACCAAGTACC 1


RESULT 41
US-09-754-167-23/c
; Sequence 23, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 23
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-23

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        322 TACAGCAAGCAGATGCAGAG 341
              ||||||||||||||||||||
Db         20 TACAGCAAGCAGATGCAGAG 1


RESULT 42
US-09-754-167-24/c
; Sequence 24, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 24
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-24

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        358 GACTGTCCAGTATTCGATGG 377
              ||||||||||||||||||||
Db         20 GACTGTCCAGTATTCGATGG 1


RESULT 43
US-09-754-167-25/c
; Sequence 25, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 25
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-25
```

```
Query Match             1.0%;  Score 20;  DB 1;  Length 20;
Best Local Similarity   100.0%;  Pred. No. 59;
Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

y        380 TGTTTGAGTTCTGTCAGTTG 399
             ||||||||||||||||||||
b         20 TGTTTGAGTTCTGTCAGTTG 1


ESULT 44
S-09-754-167-26/c
 Sequence 26, Application US/09754167
 Patent No. US20010019328A1
 GENERAL INFORMATION:
  APPLICANT: Brett P. Monia
  APPLICANT:  Jacqueline Wyatt
  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
  FILE REFERENCE: RTS-0140
  CURRENT APPLICATION NUMBER: US/09/754,167
  CURRENT FILING DATE:  2000-12-19
  NUMBER OF SEQ ID NOS: 87
 SEQ ID NO 26
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
IS-09-754-167-26

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

)y        433 CTTAATAAGCAGCAGACGGA 452
             ||||||||||||||||||||
)b         20 CTTAATAAGCAGCAGACGGA 1


RESULT 45
JS-09-754-167-27/c
; Sequence 27, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 27
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
JS-09-754-167-27

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

)y        438 TAAGCAGCAGACGGACATCG 457
             ||||||||||||||||||||
)b         20 TAAGCAGCAGACGGACATCG 1


RESULT 46
US-09-754-167-28/c
; Sequence 28, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 28
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-28

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        443 AGCAGACGGACATCGCTGTG 462
             ||||||||||||||||||||
Db         20 AGCAGACGGACATCGCTGTG 1


RESULT 47
US-09-754-167-29/c
; Sequence 29, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 29
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-29

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        529 ATCGTCTTGGCCATCCTGGA 548
             ||||||||||||||||||||
Db         20 ATCGTCTTGGCCATCCTGGA 1


RESULT 48
US-09-754-167-30/c
; Sequence 30, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 30
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-30

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
```

Best Local Similarity 100.0%; Pred. No. 59;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy        534 CTTGGCCATCCTGGAACTGC 553
              ||||||||||||||||||||
Db         20 CTTGGCCATCCTGGAACTGC 1
```

RESULT 49
US-09-754-167-31/c
; Sequence 31, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
; FILE REFERENCE: RTS-0140
; CURRENT APPLICATION NUMBER: US/09/754,167
; CURRENT FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 31
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-31

Query Match 1.0%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 59;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy        607 GGCGTGGAAGAGGCCTTCTA 626
              ||||||||||||||||||||
Db         20 GGCGTGGAAGAGGCCTTCTA 1
```

RESULT 50
US-09-754-167-32/c
; Sequence 32, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
; FILE REFERENCE: RTS-0140
; CURRENT APPLICATION NUMBER: US/09/754,167
; CURRENT FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 32
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-32

Query Match 1.0%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 59;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy        616 GAGGCCTTCTACACCACGGA 635
              ||||||||||||||||||||
Db         20 GAGGCCTTCTACACCACGGA 1
```

RESULT 51
US-09-754-167-33/c
; Sequence 33, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
; FILE REFERENCE: RTS-0140
; CURRENT APPLICATION NUMBER: US/09/754,167
; CURRENT FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 33
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-33

Query Match 1.0%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 59;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy        667 GGAGAGTACTTCCCAGGAAC 686
              ||||||||||||||||||||
Db         20 GGAGAGTACTTCCCAGGAAC 1
```

RESULT 52
US-09-754-167-34/c
; Sequence 34, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
; FILE REFERENCE: RTS-0140
; CURRENT APPLICATION NUMBER: US/09/754,167
; CURRENT FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 34
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-34

Query Match 1.0%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 59;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy        672 GTACTTCCCAGGAACTGGGG 691
              ||||||||||||||||||||
Db         20 GTACTTCCCAGGAACTGGGG 1
```

RESULT 53
US-09-754-167-35/c
; Sequence 35, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
; FILE REFERENCE: RTS-0140
; CURRENT APPLICATION NUMBER: US/09/754,167
; CURRENT FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 35
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-35

Query Match 1.0%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 59;

```
 Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        677 TCCCAGGAACTGGGGACCTA 696
              ||||||||||||||||||||
Db         20 TCCCAGGAACTGGGGACCTA 1


RESULT 54
US-09-754-167-36/c
 Sequence 36, Application US/09754167
 Patent No. US20010019328A1
 GENERAL INFORMATION:
  APPLICANT: Brett P. Monia
  APPLICANT:  Jacqueline Wyatt
  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
  FILE REFERENCE: RTS-0140
  CURRENT APPLICATION NUMBER: US/09/754,167
  CURRENT FILING DATE:  2000-12-19
  NUMBER OF SEQ ID NOS: 87
 SEQ ID NO 36
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-36

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        682 GGAACTGGGGACCTACGGGA 701
              ||||||||||||||||||||
Db         20 GGAACTGGGGACCTACGGGA 1


RESULT 55
US-09-754-167-37/c
; Sequence 37, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 37
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-37

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        722 AGTATTATGCTGTTAACTAC 741
              ||||||||||||||||||||
Db         20 AGTATTATGCTGTTAACTAC 1


RESULT 56
US-09-754-167-38/c
; Sequence 38, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 38
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-38

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        741 CCCGCTCCGAGACGGGATTG 760
              ||||||||||||||||||||
Db         20 CCCGCTCCGAGACGGGATTG 1


RESULT 57
US-09-754-167-39/c
; Sequence 39, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 39
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-39

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        764 ACGAGTCCTATGAGGCCATT 783
              ||||||||||||||||||||
Db         20 ACGAGTCCTATGAGGCCATT 1


RESULT 58
US-09-754-167-40/c
; Sequence 40, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 40
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-40

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
```

```
Qy        793 GTCATGTCCAAAGTAATGGA 812
              ||||||||||||||||||||
Db         20 GTCATGTCCAAAGTAATGGA 1


RESULT 59
US-09-754-167-41/c
; Sequence 41, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 41
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-41

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        798 GTCCAAAGTAATGGAGATGT 817
              ||||||||||||||||||||
Db         20 GTCCAAAGTAATGGAGATGT 1


RESULT 60
US-09-754-167-42/c
; Sequence 42, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 42
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-42

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        803 AAGTAATGGAGATGTTCCAG 822
              ||||||||||||||||||||
Db         20 AAGTAATGGAGATGTTCCAG 1


RESULT 61
US-09-754-167-43/c
; Sequence 43, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 43
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-43

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        812 AGATGTTCCAGCCTAGTGCG 831
              ||||||||||||||||||||
Db         20 AGATGTTCCAGCCTAGTGCG 1


RESULT 62
US-09-754-167-44/c
; Sequence 44, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 44
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-44

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        858 CCTATCTGGGGATCGGTTAG 877
              ||||||||||||||||||||
Db         20 CCTATCTGGGGATCGGTTAG 1


RESULT 63
US-09-754-167-45/c
; Sequence 45, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 45
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-45

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
```

```
Qy        871 CGGTTAGGTTGCTTCAATCT 890
              ||||||||||||||||||||
Db         20 CGGTTAGGTTGCTTCAATCT 1


RESULT 64
US-09-754-167-46/c
  Sequence 46, Application US/09754167
  Patent No. US20010019328A1
  GENERAL INFORMATION:
   APPLICANT: Brett P. Monia
   APPLICANT:  Jacqueline Wyatt
   TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
   FILE REFERENCE: RTS-0140
   CURRENT APPLICATION NUMBER: US/09/754,167
   CURRENT FILING DATE:  2000-12-19
   NUMBER OF SEQ ID NOS: 87
  SEQ ID NO 46
    LENGTH: 20
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-46

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        895 ATCAAAGGACACGCCAAGTG 914
              ||||||||||||||||||||
Db         20 ATCAAAGGACACGCCAAGTG 1


RESULT 65
US-09-754-167-47/c
; Sequence 47, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 47
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-47

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        900 AGGACACGCCAAGTGTGTGG 919
              ||||||||||||||||||||
Db         20 AGGACACGCCAAGTGTGTGG 1


RESULT 66
US-09-754-167-48/c
; Sequence 48, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 48
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-48

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        959 GAGGCGGTGGTTACACCATT 978
              ||||||||||||||||||||
Db         20 GAGGCGGTGGTTACACCATT 1


RESULT 67
US-09-754-167-49/c
; Sequence 49, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 49
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-49

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1009 ACAGCTGTGGCCCTGGATAC 1028
              ||||||||||||||||||||
Db         20 ACAGCTGTGGCCCTGGATAC 1


RESULT 68
US-09-754-167-50/c
; Sequence 50, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 50
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-50

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1052 ACAATGACTACTTTGAATAC 1071
```

```
                    ||||||||||||||||||||
Db          20 ACAATGACTACTTTGAATAC 1


RESULT 69
US-09-754-167-51/c
; Sequence 51, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 51
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-51

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1125 CACGAATGAGTACCTGGAGA 1144
                ||||||||||||||||||||
Db          20 CACGAATGAGTACCTGGAGA 1


RESULT 70
US-09-754-167-52/c
; Sequence 52, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 52
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-52

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1132 GAGTACCTGGAGAAGATCAA 1151
                ||||||||||||||||||||
Db          20 GAGTACCTGGAGAAGATCAA 1


RESULT 71
US-09-754-167-53/c
; Sequence 53, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 53
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-53

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1199 TCCAAATGCAGGCGATTCCT 1218
                ||||||||||||||||||||
Db          20 TCCAAATGCAGGCGATTCCT 1


RESULT 72
US-09-754-167-54/c
; Sequence 54, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 54
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-54

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1250 AGGACGAAGACGACCCTGAC 1269
                ||||||||||||||||||||
Db          20 AGGACGAAGACGACCCTGAC 1


RESULT 73
US-09-754-167-55/c
; Sequence 55, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 55
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-55

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1261 GACCCTGACAAGCGCATCTC 1280
                ||||||||||||||||||||
```

```
b          20 GACCCTGACAAGCGCATCTC 1


ESULT 74
S-09-754-167-56/c
 Sequence 56, Application US/09754167
 Patent No. US20010019328A1
 GENERAL INFORMATION:
  APPLICANT: Brett P. Monia
  APPLICANT:  Jacqueline Wyatt
  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
  FILE REFERENCE: RTS-0140
  CURRENT APPLICATION NUMBER: US/09/754,167
  CURRENT FILING DATE:  2000-12-19
  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 56
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
JS-09-754-167-56

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1303 ATTGCCTGTGAGGAAGAGTT 1322
              ||||||||||||||||||||
Db         20 ATTGCCTGTGAGGAAGAGTT 1


RESULT 75
US-09-754-167-57/c
; Sequence 57, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 57
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-57

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1331 CTGAAGAGGAGGGAGAGGGG 1350
              ||||||||||||||||||||
Db         20 CTGAAGAGGAGGGAGAGGGG 1


RESULT 76
US-09-754-167-58/c
; Sequence 58, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 58
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-58

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1402 GATGAAAAAGAGAAAGACCC 1421
              ||||||||||||||||||||
Db         20 GATGAAAAAGAGAAAGACCC 1


RESULT 77
US-09-754-167-59/c
; Sequence 59, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 59
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-59

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1452 GAAAACCAAGGAGGAGAAGC 1471
              ||||||||||||||||||||
Db         20 GAAAACCAAGGAGGAGAAGC 1


RESULT 78
US-09-754-167-60/c
; Sequence 60, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 60
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-60

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1457 CCAAGGAGGAGAAGCCAGAA 1476
              ||||||||||||||||||||
Db         20 CCAAGGAGGAGAAGCCAGAA 1
```

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RESULT 79
US-09-754-167-61/c
; Sequence 61, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 61
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-61

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1462 GAGGAGAAGCCAGAAGCCAA 1481
             ||||||||||||||||||||
Db         20 GAGGAGAAGCCAGAAGCCAA 1


RESULT 80
US-09-754-167-62/c
; Sequence 62, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 62
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-62

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1467 GAAGCCAGAAGCCAAAGGGG 1486
             ||||||||||||||||||||
Db         20 GAAGCCAGAAGCCAAAGGGG 1


RESULT 81
US-09-754-167-63/c
; Sequence 63, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 63
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-63

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1501 AAGTTGGCCTGAATGGACCT 1520
             ||||||||||||||||||||
Db         20 AAGTTGGCCTGAATGGACCT 1


RESULT 82
US-09-754-167-64/c
; Sequence 64, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 64
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-64

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1518 CCTCTCCAGCTCTGGCTTCC 1537
             ||||||||||||||||||||
Db         20 CCTCTCCAGCTCTGGCTTCC 1


RESULT 83
US-09-754-167-65/c
; Sequence 65, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 65
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-65

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1570 TCAGATTTTATATTTTCTAT 1589
             ||||||||||||||||||||
Db         20 TCAGATTTTATATTTTCTAT 1
```

```
ESULT 84
S-09-754-167-66/c
 Sequence 66, Application US/09754167
 Patent No. US20010019328A1
 GENERAL INFORMATION:
  APPLICANT: Brett P. Monia
  APPLICANT:  Jacqueline Wyatt
  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
  FILE REFERENCE: RTS-0140
  CURRENT APPLICATION NUMBER: US/09/754,167
  CURRENT FILING DATE:  2000-12-19
  NUMBER OF SEQ ID NOS: 87
 SEQ ID NO 66
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
IS-09-754-167-66

 Query Match             1.0%;  Score 20;  DB 1;  Length 20;
 Best Local Similarity   100.0%;  Pred. No. 59;
 Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1592 CTCTGTGTATTTATATAAAA 1611
              ||||||||||||||||||||
Db         20 CTCTGTGTATTTATATAAAA 1


ESULT 85
IS-09-754-167-67/c
 Sequence 67, Application US/09754167
 Patent No. US20010019328A1
 GENERAL INFORMATION:
  APPLICANT: Brett P. Monia
  APPLICANT:  Jacqueline Wyatt
  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 67
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-67

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1604 ATATAAAAATTTATTAAATA 1623
              ||||||||||||||||||||
Db         20 ATATAAAAATTTATTAAATA 1


RESULT 86
US-09-754-167-68/c
; Sequence 68, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 68
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-68

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1673 GCTGGGTGAGCTCTTCCAGG 1692
              ||||||||||||||||||||
Db         20 GCTGGGTGAGCTCTTCCAGG 1


RESULT 87
US-09-754-167-69/c
; Sequence 69, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 69
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-69

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1708 CATTCTTCCCGTTCTTAACT 1727
              ||||||||||||||||||||
Db         20 CATTCTTCCCGTTCTTAACT 1


RESULT 88
US-09-754-167-70/c
; Sequence 70, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 70
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-70

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1717 CGTTCTTAACTTTGAACCAT 1736
              ||||||||||||||||||||
Db         20 CGTTCTTAACTTTGAACCAT 1
```

```
RESULT 89
US-09-754-167-71/c
; Sequence 71, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 71
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-71

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1738 AAGGGTGCCAGGTCTGGGTG 1757
             ||||||||||||||||||||
Db         20 AAGGGTGCCAGGTCTGGGTG 1


RESULT 90
US-09-754-167-72/c
; Sequence 72, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 72
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-72

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1796 AAATGCCAAGTGCCTGCTTA 1815
             ||||||||||||||||||||
Db         20 AAATGCCAAGTGCCTGCTTA 1


RESULT 91
US-09-754-167-73/c
; Sequence 73, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 73
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-73

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1812 CTTAGTAGCTTTGGAAAGGT 1831
             ||||||||||||||||||||
Db         20 CTTAGTAGCTTTGGAAAGGT 1


RESULT 92
US-09-754-167-74/c
; Sequence 74, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 74
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-74

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1829 GGTGCCCTTATTGAACATTC 1848
             ||||||||||||||||||||
Db         20 GGTGCCCTTATTGAACATTC 1


RESULT 93
US-09-754-167-75/c
; Sequence 75, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 75
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-75

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1840 TGAACATTCTAGAAGGGGTG 1859
             ||||||||||||||||||||
Db         20 TGAACATTCTAGAAGGGGTG 1


RESULT 94
```

```
S-09-754-167-76/c
 Sequence 76, Application US/09754167
 Patent No. US20010019328A1
 GENERAL INFORMATION:
  APPLICANT: Brett P. Monia
  APPLICANT:  Jacqueline Wyatt
  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
  FILE REFERENCE: RTS-0140
  CURRENT APPLICATION NUMBER: US/09/754,167
  CURRENT FILING DATE:  2000-12-19
  NUMBER OF SEQ ID NOS: 87
 SEQ ID NO 76
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
JS-09-754-167-76

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1855 GGGTGGCTGGGTCTTCAAGG 1874
             ||||||||||||||||||||
Db         20 GGGTGGCTGGGTCTTCAAGG 1

RESULT 95
JS-09-754-167-77/c
; Sequence 77, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 77
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-77

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1887 TTTCAGGCTCCTAAAGTAAC 1906
             ||||||||||||||||||||
Db         20 TTTCAGGCTCCTAAAGTAAC 1

RESULT 96
US-09-754-167-78/c
; Sequence 78, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 78
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-78

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1901 AGTAACATCAGCCATTTTTA 1920
             ||||||||||||||||||||
Db         20 AGTAACATCAGCCATTTTTA 1

RESULT 97
US-09-754-167-79/c
; Sequence 79, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 79
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-79

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1909 CAGCCATTTTTAGATTGGTT 1928
             ||||||||||||||||||||
Db         20 CAGCCATTTTTAGATTGGTT 1

RESULT 98
US-09-754-167-80/c
; Sequence 80, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 80
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-80

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1914 ATTTTTAGATTGGTTCTGTT 1933
             ||||||||||||||||||||
Db         20 ATTTTTAGATTGGTTCTGTT 1

RESULT 99
US-09-754-167-81/c
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```
; Sequence 81, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 81
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-81

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1938 TACCTTCCCACTGGCCTCAA 1957
              ||||||||||||||||||||
Db         20 TACCTTCCCACTGGCCTCAA 1


RESULT 100
US-09-754-167-82/c
; Sequence 82, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 82
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-82

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1956 AAGTGAGCCAAGAAACACTG 1975
              ||||||||||||||||||||
Db         20 AAGTGAGCCAAGAAACACTG 1


RESULT 101
US-09-754-167-83/c
; Sequence 83, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 83
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-83

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1972 ACTGCCTGCCCTCTGTCTGT 1991
              ||||||||||||||||||||
Db         20 ACTGCCTGCCCTCTGTCTGT 1


RESULT 102
US-09-754-167-84/c
; Sequence 84, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 84
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-84

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1992 CTTCTCCTAATTCTGCAGGT 2011
              ||||||||||||||||||||
Db         20 CTTCTCCTAATTCTGCAGGT 1


RESULT 103
US-09-754-167-85/c
; Sequence 85, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 85
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-85

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2010 GTGGAGGTTGCTAGTCTAGT 2029
              ||||||||||||||||||||
Db         20 GTGGAGGTTGCTAGTCTAGT 1


RESULT 104
US-09-754-167-86/c
; Sequence 86, Application US/09754167
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```
 Patent No. US20010019328A1
 GENERAL INFORMATION:
  APPLICANT: Brett P. Monia
  APPLICANT:  Jacqueline Wyatt
  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
  FILE REFERENCE: RTS-0140
  CURRENT APPLICATION NUMBER: US/09/754,167
  CURRENT FILING DATE:  2000-12-19
  NUMBER OF SEQ ID NOS: 87
 SEQ ID NO 86
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
S-09-754-167-86

 Query Match             1.0%;  Score 20;  DB 1;  Length 20;
 Best Local Similarity   100.0%;  Pred. No. 59;
 Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2026 TAGTTTCCTTTTTGAGATAC 2045
             ||||||||||||||||||||
Db         20 TAGTTTCCTTTTTGAGATAC 1


ESULT 105
S-09-754-167-87/c
 Sequence 87, Application US/09754167
 Patent No. US20010019328A1
 GENERAL INFORMATION:
  APPLICANT: Brett P. Monia
  APPLICANT:  Jacqueline Wyatt
  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
  FILE REFERENCE: RTS-0140
  CURRENT APPLICATION NUMBER: US/09/754,167
  CURRENT FILING DATE:  2000-12-19
  NUMBER OF SEQ ID NOS: 87
 SEQ ID NO 87
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
S-09-754-167-87

 Query Match             1.0%;  Score 20;  DB 1;  Length 20;
 Best Local Similarity   100.0%;  Pred. No. 59;
 Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2066 TCTTTGTAATAAAATGGTAC 2085
             ||||||||||||||||||||
Db         20 TCTTTGTAATAAAATGGTAC 1


ESULT 106
S-09-817-913-17/c
 Sequence 17, Application US/09817913
 Patent No. US20020061860A1
 GENERAL INFORMATION:
  APPLICANT: Li, Zuomei
  APPLICANT:  Bonfils, Claire
  APPLICANT:  Besterman, Jeffrey
  TITLE OF INVENTION: Inhibition of Specific Histone Deacetylase Isoforms
  FILE REFERENCE: 106101.145
  CURRENT APPLICATION NUMBER: US/09/817,913
  CURRENT FILING DATE:  2001-03-26
  PRIOR APPLICATION NUMBER: US 60/192,157
  PRIOR FILING DATE: 2000-03-24
  NUMBER OF SEQ ID NOS: 33
  SOFTWARE: PatentIn version 3.1
 SEQ ID NO 17
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Human
US-09-817-913-17

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1538 TGCTGAGTCCCTCACGTTTC 1557
              ||||||||||||||||||||
Db         20 TGCTGAGTCCCTCACGTTTC 1


RESULT 107
US-09-817-913-18/c
 Sequence 18, Application US/09817913
 Patent No. US20020061860A1
 GENERAL INFORMATION:
  APPLICANT: Li, Zuomei
  APPLICANT:  Bonfils, Claire
  APPLICANT:  Besterman, Jeffrey
  TITLE OF INVENTION: Inhibition of Specific Histone Deacetylase Isoforms
  FILE REFERENCE: 106101.145
  CURRENT APPLICATION NUMBER: US/09/817,913
  CURRENT FILING DATE:  2001-03-26
  PRIOR APPLICATION NUMBER: US 60/192,157
  PRIOR FILING DATE: 2000-03-24
  NUMBER OF SEQ ID NOS: 33
  SOFTWARE: PatentIn version 3.1
 SEQ ID NO 18
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Human
US-09-817-913-18

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1518 CCTCTCCAGCTCTGGCTTCC 1537
              ||||||||||||||||||||
Db         20 CCTCTCCAGCTCTGGCTTCC 1


RESULT 108
US-09-817-538-17/c
 Sequence 17, Application US/09817538
 Patent No. US20020137162A1
 GENERAL INFORMATION:
  APPLICANT: Li, Zuomei
  APPLICANT:  Bonfils, Claire
  APPLICANT:  Besterman, Jeffrey
  TITLE OF INVENTION: Antisense Oligonucleotide Inhibition of Specific Histone
  TITLE OF INVENTION:  Deacetylase Isoforms
  FILE REFERENCE: 106101.144
  CURRENT APPLICATION NUMBER: US/09/817,538
  CURRENT FILING DATE:  2001-03-26
  PRIOR APPLICATION NUMBER: US 60/192,157
  PRIOR FILING DATE: 2000-03-24
  NUMBER OF SEQ ID NOS: 33
  SOFTWARE: PatentIn version 3.1
 SEQ ID NO 17
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Human
US-09-817-538-17

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1538 TGCTGAGTCCCTCACGTTTC 1557
              ||||||||||||||||||||
```

```
Db         20 TGCTGAGTCCCTCACGTTTC 1


RESULT 109
US-09-817-538-18/c
; Sequence 18, Application US/09817538
; Patent No. US20020137162A1
; GENERAL INFORMATION:
;  APPLICANT: Li, Zuomei
;  APPLICANT:  Bonfils, Claire
;  APPLICANT:  Besterman, Jeffrey
;  TITLE OF INVENTION: Antisense Oligonucleotide Inhibition of Specific Histone
;  TITLE OF INVENTION:  Deacetylase Isoforms
;  FILE REFERENCE: 106101.144
;  CURRENT APPLICATION NUMBER: US/09/817,538
;  CURRENT FILING DATE:  2001-03-26
;  PRIOR APPLICATION NUMBER: US 60/192,157
;  PRIOR FILING DATE: 2000-03-24
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Human
US-09-817-538-18

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1518 CCTCTCCAGCTCTGGCTTCC 1537
             ||||||||||||||||||||
Db         20 CCTCTCCAGCTCTGGCTTCC 1


RESULT 110
US-09-563-728A-1/c
; Sequence 1, Application US/09563728A
; Publication No. US20030078216A1
; GENERAL INFORMATION:
;  APPLICANT:  MacLeod, Alan R
;  APPLICANT:  Li, Zoumei
;  APPLICANT:  Besterman, Jeffrey M
;  TITLE OF INVENTION:  Inhibition of Histone Deaceylase
;  FILE REFERENCE:  106101.229
;  CURRENT APPLICATION NUMBER: US/09/563,728A
;  CURRENT FILING DATE:  2000-05-03
;  PRIOR APPLICATION NUMBER:  60/132,287
;  PRIOR FILING DATE:  1999-05-03
;  NUMBER OF SEQ ID NOS:  36
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: synthetic
;   OTHER INFORMATION: oligonucleotide
US-09-563-728A-1

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1538 TGCTGAGTCCCTCACGTTTC 1557
             ||||||||||||||||||||
Db         20 TGCTGAGTCCCTCACGTTTC 1


RESULT 111
US-09-563-728A-10/c
; Sequence 10, Application US/09563728A
; Publication No. US20030078216A1
; GENERAL INFORMATION:
;  APPLICANT:  MacLeod, Alan R
;  APPLICANT:  Li, Zoumei
;  APPLICANT:  Besterman, Jeffrey M
;  TITLE OF INVENTION:  Inhibition of Histone Deaceylase
;  FILE REFERENCE:  106101.229
;  CURRENT APPLICATION NUMBER: US/09/563,728A
;  CURRENT FILING DATE:  2000-05-03
;  PRIOR APPLICATION NUMBER:  60/132,287
;  PRIOR FILING DATE:  1999-05-03
;  NUMBER OF SEQ ID NOS:  36
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 10
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: modified_base
;   LOCATION: 1-4 and 17-20 are modified
;   OTHER INFORMATION: Positions 1-4 and 17-20 are 2'-methoxyribose
;   OTHER INFORMATION: substituted nucleotides; positions 5-16 are
;   OTHER INFORMATION: deoxyribonucleotides
US-09-563-728A-10

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1538 TGCTGAGTCCCTCACGTTTC 1557
             ||||||||||||||||||||
Db         20 TGCTGAGTCCCTCACGTTTC 1


RESULT 112
US-10-189-818B-8/c
; Sequence 8, Application US/10189818B
; Publication No. US20040072770A1
; GENERAL INFORMATION:
;  APPLICANT: BESTERMAN, JEFFREY M.
;  APPLICANT:  ZUOMEI, LI
;  APPLICANT:  DELORME, DANIEL
;  APPLICANT:  BONFILS, CLAIRE
;  TITLE OF INVENTION: METHODS FOR SPECIFICALLY INHIBITING HISTONE DEACTYLASE-7 AND 8
;  FILE REFERENCE: MET-024US1(1002/025)
;  CURRENT APPLICATION NUMBER: US/10/189,818B
;  CURRENT FILING DATE:  2002-07-03
;  NUMBER OF SEQ ID NOS: 41
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Combined DNA/RNA Molecule:
;   OTHER INFORMATION: Synthetic oligonucleotide
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: oligonucleotide
US-10-189-818B-8

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1538 TGCTGAGTCCCTCACGTTTC 1557
             ||||||||||||||||||||
Db         20 TGCTGAGTCCCTCACGTTTC 1


RESULT 113
US-10-189-818B-10/c
; Sequence 10, Application US/10189818B
; Publication No. US20040072770A1
```

```
 GENERAL INFORMATION:
  APPLICANT: BESTERMAN, JEFFREY M.
  APPLICANT:  ZUOMEI, LI
  APPLICANT:  DELORME, DANIEL
  APPLICANT:  BONFILS, CLAIRE
  TITLE OF INVENTION: METHODS FOR SPECIFICALLY INHIBITING HISTONE DEACTYLASE-7 AND 8
  FILE REFERENCE: MET-024US1(1002/025)
  CURRENT APPLICATION NUMBER: US/10/189,818B
  CURRENT FILING DATE:  2002-07-03
  NUMBER OF SEQ ID NOS: 41
  SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 10
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Combined DNA/RNA Molecule:
   OTHER INFORMATION: Synthetic oligonucleotide
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
   OTHER INFORMATION: oligonucleotide
JS-10-189-818B-10

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1518 CCTCTCCAGCTCTGGCTTCC 1537
              ||||||||||||||||||||
Db         20 CCTCTCCAGCTCTGGCTTCC 1


RESULT 114
JS-10-145-493B-41/c
  Sequence 41, Application US/10145493B
  Publication No. US20030096777A1
; GENERAL INFORMATION:
;  APPLICANT: Besterman, Jeffrey
;  APPLICANT:  MacLeod, Robert
;  APPLICANT:  Siders, William
;  TITLE OF INVENTION: Modulation of Gene Expression by Combination Therapy
;  FILE REFERENCE: MET-015DV
;  CURRENT APPLICATION NUMBER: US/10/145,493B
;  CURRENT FILING DATE:  2002-05-14
;  PRIOR APPLICATION NUMBER: 09/420,692
;  PRIOR FILING DATE: 1999-10-19
;  PRIOR APPLICATION NUMBER: US 60/104,804
;  PRIOR FILING DATE: 1998-10-19
;  NUMBER OF SEQ ID NOS: 90
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 41
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
JS-10-145-493B-41

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1457 CCAAGGAGGAGAAGCCAGAA 1476
              ||||||||||||||||||||
Db         20 CCAAGGAGGAGAAGCCAGAA 1


RESULT 115
US-10-145-493B-42/c
; Sequence 42, Application US/10145493B
; Publication No. US20030096777A1
; GENERAL INFORMATION:
;  APPLICANT: Besterman, Jeffrey
;  APPLICANT:  MacLeod, Robert
;  APPLICANT:  Siders, William
;  TITLE OF INVENTION: Modulation of Gene Expression by Combination Therapy
;  FILE REFERENCE: MET-015DV
;  CURRENT APPLICATION NUMBER: US/10/145,493B
;  CURRENT FILING DATE:  2002-05-14
;  PRIOR APPLICATION NUMBER: 09/420,692
;  PRIOR FILING DATE: 1999-10-19
;  PRIOR APPLICATION NUMBER: US 60/104,804
;  PRIOR FILING DATE: 1998-10-19
;  NUMBER OF SEQ ID NOS: 90
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 42
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
US-10-145-493B-42

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1484 GGGTCAAGGAGGAGGTCAAG 1503
              ||||||||||||||||||||
Db         20 GGGTCAAGGAGGAGGTCAAG 1


RESULT 116
US-10-145-493B-43/c
; Sequence 43, Application US/10145493B
; Publication No. US20030096777A1
; GENERAL INFORMATION:
;  APPLICANT: Besterman, Jeffrey
;  APPLICANT:  MacLeod, Robert
;  APPLICANT:  Siders, William
;  TITLE OF INVENTION: Modulation of Gene Expression by Combination Therapy
;  FILE REFERENCE: MET-015DV
;  CURRENT APPLICATION NUMBER: US/10/145,493B
;  CURRENT FILING DATE:  2002-05-14
;  PRIOR APPLICATION NUMBER: 09/420,692
;  PRIOR FILING DATE: 1999-10-19
;  PRIOR APPLICATION NUMBER: US 60/104,804
;  PRIOR FILING DATE: 1998-10-19
;  NUMBER OF SEQ ID NOS: 90
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 43
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
US-10-145-493B-43

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1518 CCTCTCCAGCTCTGGCTTCC 1537
              ||||||||||||||||||||
Db         20 CCTCTCCAGCTCTGGCTTCC 1


RESULT 117
US-10-145-493B-44/c
; Sequence 44, Application US/10145493B
; Publication No. US20030096777A1
; GENERAL INFORMATION:
;  APPLICANT: Besterman, Jeffrey
;  APPLICANT:  MacLeod, Robert
;  APPLICANT:  Siders, William
;  TITLE OF INVENTION: Modulation of Gene Expression by Combination Therapy
```

```
;  FILE REFERENCE: MET-015DV
;  CURRENT APPLICATION NUMBER: US/10/145,493B
;  CURRENT FILING DATE:  2002-05-14
;  PRIOR APPLICATION NUMBER: 09/420,692
;  PRIOR FILING DATE: 1999-10-19
;  PRIOR APPLICATION NUMBER: US 60/104,804
;  PRIOR FILING DATE: 1998-10-19
;  NUMBER OF SEQ ID NOS: 90
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 44
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
US-10-145-493B-44

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1538 TGCTGAGTCCCTCACGTTTC 1557
             ||||||||||||||||||||
Db         20 TGCTGAGTCCCTCACGTTTC 1


RESULT 118
US-10-052-390B-1/c
; Sequence 1, Application US/10052390B
; Publication No. US20030148970A1
; GENERAL INFORMATION:
;  APPLICANT: Besterman, Jeffery M.
;  APPLICANT:  Bonfils, Claire
;  APPLICANT:  Li, Zuomei
;  APPLICANT:  Woo, Soon H.
;  APPLICANT:  Vaisburg, Arkadii
;  APPLICANT:  Delorme, Daniel
;  APPLICANT:  Fournel, Marielle
;  APPLICANT:  Lavoie, Rico
;  TITLE OF INVENTION: Methods for Specifically Inhibiting Histone Deacetylase-4
;  FILE REFERENCE: MET-004US1
;  CURRENT APPLICATION NUMBER: US/10/052,390B
;  CURRENT FILING DATE:  2002-01-14
;  PRIOR APPLICATION NUMBER: US 60/261,674
;  PRIOR FILING DATE: 2001-01-12
;  NUMBER OF SEQ ID NOS: 19
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-052-390B-1

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1538 TGCTGAGTCCCTCACGTTTC 1557
             ||||||||||||||||||||
Db         20 TGCTGAGTCCCTCACGTTTC 1


RESULT 119
US-10-052-390B-2/c
; Sequence 2, Application US/10052390B
; Publication No. US20030148970A1
; GENERAL INFORMATION:
;  APPLICANT: Besterman, Jeffery M.
;  APPLICANT:  Bonfils, Claire
;  APPLICANT:  Li, Zuomei
;  APPLICANT:  Woo, Soon H.
;  APPLICANT:  Vaisburg, Arkadii
;  APPLICANT:  Delorme, Daniel
;  APPLICANT:  Fournel, Marielle
;  APPLICANT:  Lavoie, Rico
;  TITLE OF INVENTION: Methods for Specifically Inhibiting Histone Deacetylase-4
;  FILE REFERENCE: MET-004US1
;  CURRENT APPLICATION NUMBER: US/10/052,390B
;  CURRENT FILING DATE:  2002-01-14
;  PRIOR APPLICATION NUMBER: US 60/261,674
;  PRIOR FILING DATE: 2001-01-12
;  NUMBER OF SEQ ID NOS: 19
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-052-390B-2

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1518 CCTCTCCAGCTCTGGCTTCC 1537
             ||||||||||||||||||||
Db         20 CCTCTCCAGCTCTGGCTTCC 1


RESULT 120
US-10-051-819B-1/c
; Sequence 1, Application US/10051819B
; Publication No. US20030152557A1
; GENERAL INFORMATION:
;  APPLICANT: Besterman, Jeffery M.
;  APPLICANT:  Bonfils, Claire
;  APPLICANT:  Li, Zuomei
;  APPLICANT:  Woo, Soon
;  APPLICANT:  Vaisburg, Arkadii
;  APPLICANT:  Delorme, Daniel
;  APPLICANT:  Fournel, Marielle
;  APPLICANT:  Lavoie, Rico
;  TITLE OF INVENTION: Methods for Specifically Inhibiting Histone Deacetylase-4
;  FILE REFERENCE: MET-002US1
;  CURRENT APPLICATION NUMBER: US/10/051,819B
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US 60/261,674
;  PRIOR FILING DATE: 2001-01-12
;  NUMBER OF SEQ ID NOS: 19
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-051-819B-1

  Query Match             1.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 59;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1538 TGCTGAGTCCCTCACGTTTC 1557
             ||||||||||||||||||||
Db         20 TGCTGAGTCCCTCACGTTTC 1


RESULT 121
US-10-051-819B-2/c
; Sequence 2, Application US/10051819B
; Publication No. US20030152557A1
; GENERAL INFORMATION:
;  APPLICANT: Besterman, Jeffery M.
;  APPLICANT:  Bonfils, Claire
;  APPLICANT:  Li, Zuomei
;  APPLICANT:  Woo, Soon
;  APPLICANT:  Vaisburg, Arkadii
;  APPLICANT:  Delorme, Daniel
;  APPLICANT:  Fournel, Marielle
```

APPLICANT: Lavoie, Rico
TITLE OF INVENTION: Methods for Specifically Inhibiting Histone Deacetylase-4
FILE REFERENCE: MET-002US1
CURRENT APPLICATION NUMBER: US/10/051,819B
CURRENT FILING DATE: 2003-01-21
PRIOR APPLICATION NUMBER: US 60/261,674
PRIOR FILING DATE: 2001-01-12
NUMBER OF SEQ ID NOS: 19
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 20
TYPE: DNA
ORGANISM: Homo sapiens
S-10-051-819B-2

Query Match 1.0%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 59;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1518 CCTCTCCAGCTCTGGCTTCC 1537
||||||||||||||||||||
Db 20 CCTCTCCAGCTCTGGCTTCC 1

ESULT 122
S-10-225-810-65
Sequence 65, Application US/10225810
Publication No. US20030157512A1
GENERAL INFORMATION:
APPLICANT: Bermingham, Jr., John R.
TITLE OF INVENTION: Tramdorins and Methods of Using Tramdorin
FILE REFERENCE: McLaugh-07165
CURRENT APPLICATION NUMBER: US/10/225,810
CURRENT FILING DATE: 2002-08-21
NUMBER OF SEQ ID NOS: 76
SOFTWARE: PatentIn version 3.2
SEQ ID NO 65
LENGTH: 29
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic
S-10-225-810-65

Query Match 0.9%; Score 19.4; DB 1; Length 29;
Best Local Similarity 79.3%; Pred. No. 1.4e+02;
Matches 23; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1235 AGGAGAGTGGCGATGAGGACGAAGACGAC 1263
|| ||||| ||||||||| |||| | ||
Db 1 AGCTGAGTGACGATGAGGAAGAAGTCCAC 29

RESULT 123
US-09-733-692A-24/c
; Sequence 24, Application US/09733692A
; Patent No. US20020155581A1
; GENERAL INFORMATION:
; APPLICANT: Murphy, Brian R.
; APPLICANT: Collins, Peter L.
; APPLICANT: Schmidt, Alexander C.
; APPLICANT: Durbin, Anna P.
; APPLICANT: Skiadopoulos, Mario H.
; APPLICANT: Tao, Tao
; TITLE OF INVENTION: USE OF RECOMBINANT PARAINFLUENZA VIRUSES (PIVs) AS
; TITLE OF INVENTION: VECTORS TO PROTECT AGAINST INFECTION AND DISEASE CAUSED
; TITLE OF INVENTION: BY PIV AND OTHER HUMAN PATHOGENS
; FILE REFERENCE: 15280-404100US
; CURRENT APPLICATION NUMBER: US/09/733,692A
; CURRENT FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/170,195
; PRIOR FILING DATE: 1999-12-10
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 24
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: HPIV1 HN
; OTHER INFORMATION: primer
US-09-733-692A-24

Query Match 0.9%; Score 19.2; DB 1; Length 24;
Best Local Similarity 87.5%; Pred. No. 1.1e+02;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 586 ATTGATATTCACCATGGTGACGGC 609
|||| |||||||||| ||||||
Db 24 ATTGCTATTCACCATGCAGACGGC 1

RESULT 124
US-09-754-167-4
; Sequence 4, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
; FILE REFERENCE: RTS-0140
; CURRENT APPLICATION NUMBER: US/09/754,167
; CURRENT FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 4
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PCR Primer
US-09-754-167-4

Query Match 0.9%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 83;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1939 ACCTTCCCACTGGCCTCAA 1957
|||||||||||||||||||
Db 1 ACCTTCCCACTGGCCTCAA 19

RESULT 125
US-10-098-263B-16369/c
; Sequence 16369, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 16369
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-16369

Query Match 0.9%; Score 18.6; DB 1; Length 25;
Best Local Similarity 84.0%; Pred. No. 1.6e+02;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 18 GGAGGGCGGACGGACCGACTGACGG 42

```
                    ||| | |||||||||| ||| |||||
Db          25 GGAAGCCGGACGGACGGACGGACGG 1


RESULT 126
US-09-866-108-13560
; Sequence 13560, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 13560
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-13560

  Query Match             0.9%;  Score 18.2;  DB 1;  Length 25;
  Best Local Similarity   87.0%;  Pred. No. 1.8e+02;
  Matches   20;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1449 GGAGAAAACCAAGGAGGAGAAGC 1471
                ||||  || |||||  |||||||||
Db          3 GGAGGAAGCCAAGAAGGAGAAGC 25


RESULT 127
US-09-866-108-13561
; Sequence 13561, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 13561
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-13561

  Query Match             0.9%;  Score 18.2;  DB 1;  Length 25;
  Best Local Similarity   87.0%;  Pred. No. 1.8e+02;
  Matches   20;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1449 GGAGAAAACCAAGGAGGAGAAGC 1471
                ||||  || |||||  |||||||||
Db          2 GGAGGAAGCCAAGAAGGAGAAGC 24


RESULT 128
US-09-866-108-13562
; Sequence 13562, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
```

PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 13562
LENGTH: 25
TYPE: DNA
ORGANISM: Homo sapiens
US-09-866-108-13562

Query Match 0.9%; Score 18.2; DB 1; Length 25;
Best Local Similarity 87.0%; Pred. No. 1.8e+02;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1449 GGAGAAAACCAAGGAGGAGAAGC 1471
             |||| || ||||| |||||||||
Db          1 GGAGGAAGCCAAGAAGGAGAAGC 23
```

RESULT 129
US-10-098-263B-106918/c
Sequence 106918, Application US/10098263B
Publication No. US20030104410A1
GENERAL INFORMATION:
APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 106918
LENGTH: 25
TYPE: DNA
ORGANISM: Homo sapien
US-10-098-263B-106918

Query Match 0.9%; Score 18.2; DB 1; Length 25;
Best Local Similarity 87.0%; Pred. No. 1.8e+02;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1404 TGAAAAAGAGAAAGACCCAGAGG 1426
             ||| ||||||| |||||| ||||
Db         25 TGACAAAGAGAGAGACCCGGAGG 3
```

RESULT 130
US-10-723-361-13560
Sequence 13560, Application US/10723361
Publication No. US20040137589A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
FILE REFERENCE: PB0105
CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 13560
LENGTH: 25
TYPE: DNA
ORGANISM: Homo sapiens
US-10-723-361-13560

Query Match 0.9%; Score 18.2; DB 1; Length 25;
Best Local Similarity 87.0%; Pred. No. 1.8e+02;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1449 GGAGAAAACCAAGGAGGAGAAGC 1471
             |||| || ||||| |||||||||
Db          3 GGAGGAAGCCAAGAAGGAGAAGC 25
```

RESULT 131
US-10-723-361-13561
Sequence 13561, Application US/10723361
Publication No. US20040137589A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART A
FILE REFERENCE: PB0105
CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26

```
;  PRIOR APPLICATION NUMBER: US 09/866,108
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 13561
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-723-361-13561

  Query Match             0.9%;  Score 18.2;  DB 1;  Length 25;
  Best Local Similarity   87.0%;  Pred. No. 1.8e+02;
  Matches   20;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1449 GGAGAAAACCAAGGAGGAGAAGC 1471
                ||||  ||  |||||  |||||||||
Db          2 GGAGGAAGCCAAGAAGGAGAAGC 24


RESULT 132
US-10-723-361-13562
; Sequence 13562, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
;  FILE REFERENCE: PB0105
;  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: US 09/866,108
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 13562
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-723-361-13562

  Query Match             0.9%;  Score 18.2;  DB 1;  Length 25;
  Best Local Similarity   87.0%;  Pred. No. 1.8e+02;
  Matches   20;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1449 GGAGAAAACCAAGGAGGAGAAGC 1471
                ||||  ||  |||||  |||||||||
Db          1 GGAGGAAGCCAAGAAGGAGAAGC 23


RESULT 133
US-09-263-959-1233/c
; Sequence 1233, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  1233:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-263-959-1233

  Query Match             0.9%;  Score 18;  DB 1;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        643 ATGACTGTGTCCTTTCAT 660
              ||||||||||||||||||
Db         24 ATGACTGTGTCCTTTCAT 7


RESULT 134
US-10-156-995-149
; Sequence 149, Application US/10156995
; Publication No. US20030211486A1
```

```
 GENERAL INFORMATION:
  APPLICANT: DNA Print Genomics, Inc.
  APPLICANT:  FRUDAKIS, Tony N.
  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DETECTING POLYMORPHISMS ASSOCIATED W
  TITLE OF INVENTION:  PIGMENTATION
  FILE REFERENCE: DNA1140-7
  CURRENT APPLICATION NUMBER: US/10/156,995
  CURRENT FILING DATE:  2002-05-28
  PRIOR APPLICATION NUMBER: US 60/346,303
  PRIOR FILING DATE: 2002-01-02
  PRIOR APPLICATION NUMBER: US 60/334,674
  PRIOR FILING DATE: 2001-11-15
  PRIOR APPLICATION NUMBER: US 60/344,418
  PRIOR FILING DATE: 2001-10-26
  PRIOR APPLICATION NUMBER: US 60/323,662
  PRIOR FILING DATE: 2001-09-17
  PRIOR APPLICATION NUMBER: US 60/310,781
  PRIOR FILING DATE: 2001-08-07
  PRIOR APPLICATION NUMBER: US 60/300,187
  PRIOR FILING DATE: 2001-06-21
  PRIOR APPLICATION NUMBER: US 60/293,560
  PRIOR FILING DATE: 2001-05-25
  NUMBER OF SEQ ID NOS: 224
  SOFTWARE: PatentIn version 3.1
 SEQ ID NO 149
   LENGTH: 27
   TYPE: DNA
   ORGANISM: Artificial sequence
   FEATURE:
   OTHER INFORMATION: PCR primer
JS-10-156-995-149

  Query Match             0.9%;  Score 18;  DB 1;  Length 27;
  Best Local Similarity   80.8%;  Pred. No. 2.3e+02;
  Matches   21;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy        568 AGGGTGCTGTACATTGACATTGATAT 593
              ||||||||||||| | | ||  ||||
Db          1 AGGGTGCTGTACAATAAGATCAATAT 26


RESULT 135
JS-10-098-263B-18418/c
; Sequence 18418, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
;  APPLICANT: Mittman, Michael
;  TITLE OF INVENTION: Human Microarray
;  FILE REFERENCE: 3118.1
;  CURRENT APPLICATION NUMBER: US/10/098,263B
;  CURRENT FILING DATE:  2003-01-08
;  PRIOR APPLICATION NUMBER: 60/276,759
;  PRIOR FILING DATE: 2001-03-16
;  NUMBER OF SEQ ID NOS: 131066
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 18418
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
JS-10-098-263B-18418

  Query Match             0.9%;  Score 17.8;  DB 1;  Length 25;
  Best Local Similarity   90.5%;  Pred. No. 2.2e+02;
  Matches   19;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        604 GACGGCGTGGAAGAGGCCTTC 624
              ||||||||||||||||| | ||
Db         21 GACGGCGTGGAAGAGGTCCTC 1


RESULT 136
US-10-098-263B-32728/c
; Sequence 32728, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
;  APPLICANT: Mittman, Michael
;  TITLE OF INVENTION: Human Microarray
;  FILE REFERENCE: 3118.1
;  CURRENT APPLICATION NUMBER: US/10/098,263B
;  CURRENT FILING DATE:  2003-01-08
;  PRIOR APPLICATION NUMBER: 60/276,759
;  PRIOR FILING DATE: 2001-03-16
;  NUMBER OF SEQ ID NOS: 131066
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 32728
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-10-098-263B-32728

  Query Match             0.9%;  Score 17.8;  DB 1;  Length 25;
  Best Local Similarity   90.5%;  Pred. No. 2.2e+02;
  Matches   19;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         22 GGCGGACGGACCGACTGACGG 42
              | |||||||||||||| |||||
Db         24 GCCGGACGGACCGACGGACGG 4


RESULT 137
US-09-866-108-13968/c
; Sequence 13968, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
```

```
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 13968
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-13968

  Query Match              0.8%;  Score 17.6;  DB 1;  Length 25;
  Best Local Similarity   83.3%;  Pred. No. 2.3e+02;
  Matches   20;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1511 GAATGGACCTCTCCAGCTCTGGCT 1534
              ||||||| ||||||| |||| ||
Db         25 GAATGGATGTCTCCAGGTCTGTCT 2


RESULT 138
US-09-866-108-13969/c
; Sequence 13969, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 13969
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
JS-09-866-108-13969

  Query Match              0.8%;  Score 17.6;  DB 1;  Length 25;
  Best Local Similarity   83.3%;  Pred. No. 2.3e+02;
  Matches   20;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1511 GAATGGACCTCTCCAGCTCTGGCT 1534
              ||||||| ||||||| |||| ||
Db         24 GAATGGATGTCTCCAGGTCTGTCT 1


RESULT 139
US-10-060-756A-2588
; Sequence 2588, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 2588
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-2588

  Query Match              0.8%;  Score 17.6;  DB 1;  Length 25;
  Best Local Similarity   83.3%;  Pred. No. 2.3e+02;
  Matches   20;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1405 GAAAAAGAGAAAGACCCAGAGGAG 1428
              ||  ||||| |||||| |||||||
Db          2 GACGAAGAGGAAGACCTAGAGGAG 25


RESULT 140
US-10-060-756A-2589
; Sequence 2589, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
```

PRIOR APPLICATION NUMBER: US 60/327,898
PRIOR FILING DATE: 2001-10-09
NUMBER OF SEQ ID NOS: 4804
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 2589
LENGTH: 25
TYPE: DNA
ORGANISM: Homo sapiens
S-10-060-756A-2589

Query Match 0.8%; Score 17.6; DB 1; Length 25;
Best Local Similarity 83.3%; Pred. No. 2.3e+02;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1405 GAAAAAGAGAAAGACCCAGAGGAG 1428
|| ||||| |||||| |||||||
Db 1 GACGAAGAGGAAGACCTAGAGGAG 24

RESULT 141
US-10-098-263B-15733/c
Sequence 15733, Application US/10098263B
Publication No. US20030104410A1
GENERAL INFORMATION:
APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 15733
LENGTH: 25
TYPE: DNA
ORGANISM: Homo sapien
US-10-098-263B-15733

Query Match 0.8%; Score 17.6; DB 1; Length 25;
Best Local Similarity 83.3%; Pred. No. 2.3e+02;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 18 GGAGGGCGGACGGACCGACTGACG 41
||| | |||||||||| ||| ||||
Db 24 GGAAGCCGGACGGACGGACGGACG 1

RESULT 142
US-10-098-263B-97461
; Sequence 97461, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 97461
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-97461

Query Match 0.8%; Score 17.6; DB 1; Length 25;
Best Local Similarity 83.3%; Pred. No. 2.3e+02;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 801 CAAAGTAATGGAGATGTTCCAGCC 824
| |||||||||| || |||||| |
Db 2 CGAAGTAATGGATATTTTCCAGAC 25

RESULT 143
US-10-098-263B-98284
; Sequence 98284, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 98284
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-98284

Query Match 0.8%; Score 17.6; DB 1; Length 25;
Best Local Similarity 83.3%; Pred. No. 2.3e+02;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1312 GAGGAAGAGTTCTCCGATTCTGAA 1335
|| |||||| ||||||| | ||||
Db 1 GACGAAGAGGTCTCCGAGTGTGAA 24

RESULT 144
US-10-723-361-13968/c
; Sequence 13968, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART A
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 13968

```
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-723-361-13968

  Query Match             0.8%;  Score 17.6;  DB 1;  Length 25;
  Best Local Similarity   83.3%;  Pred. No. 2.3e+02;
  Matches   20;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1511 GAATGGACCTCTCCAGCTCTGGCT 1534
              ||||||| ||||||| |||| ||
Db         25 GAATGGATGTCTCCAGGTCTGTCT 2


RESULT 145
US-10-723-361-13969/c
; Sequence 13969, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
;  FILE REFERENCE: PB0105
;  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: US 09/866,108
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 13969
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-723-361-13969

  Query Match             0.8%;  Score 17.6;  DB 1;  Length 25;
  Best Local Similarity   83.3%;  Pred. No. 2.3e+02;
  Matches   20;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1511 GAATGGACCTCTCCAGCTCTGGCT 1534
              ||||||| ||||||| |||| ||
Db         24 GAATGGATGTCTCCAGGTCTGTCT 1


RESULT 146
US-09-828-034-12/c
; Sequence 12, Application US/09828034
; Patent No. US20020064771A1
; GENERAL INFORMATION:
;  APPLICANT: Zhong, Weidong
;  APPLICANT:  Hong, Zhi
;  APPLICANT:  Ferrari, Eric
;  TITLE OF INVENTION: HCV REPLICASE COMPLEXES
;  FILE REFERENCE: IN01165
;  CURRENT APPLICATION NUMBER: US/09/828,034
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: U.S. 60/195,852
;  PRIOR FILING DATE: 2000-04-06
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
;   LENGTH: 24
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic RNA
US-09-828-034-12

  Query Match             0.8%;  Score 17.2;  DB 1;  Length 24;
  Best Local Similarity   86.4%;  Pred. No. 2.6e+02;
  Matches   19;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         11 GCGGGCGGGAGGGCGGACGGAC 32
              |||||||| |||||| ||| |
Db         22 GCGGGCGGGCGGGCGGGCGGGC 1


RESULT 147
US-09-866-108-13559
; Sequence 13559, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
```

```
  PRIOR FILING DATE: 2001-02-05
  NUMBER OF SEQ ID NOS: 15752
  SOFTWARE: Aeomica Sequence Listing Engine
 SEQ ID NO 13559
   LENGTH: 25
   TYPE: DNA
   ORGANISM: Homo sapiens
S-09-866-108-13559

 Query Match              0.8%;  Score 17.2;  DB 1;  Length 25;
 Best Local Similarity   86.4%;  Pred. No. 2.8e+02;
 Matches   19;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1449 GGAGAAAACCAAGGAGGAGAAG 1470
             |||| || ||||| |||||||||
Db          4 GGAGGAAGCCAAGAAGGAGAAG 25


RESULT 148
US-09-866-108-13563
  Sequence 13563, Application US/09866108
  Patent No. US20020048800A1
  GENERAL INFORMATION:
   APPLICANT: GU, Yizhong
   APPLICANT:  JI, Yonggang
   APPLICANT:  PENN, Sharron G.
   APPLICANT:  HANZEL, David K.
   APPLICANT:  RANK, David R.
   APPLICANT:  CHEN, Wensheng
   APPLICANT:  SHANNON, Mark
   TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
   FILE REFERENCE: AEOMICA-7
   CURRENT APPLICATION NUMBER: US/09/866,108
   CURRENT FILING DATE:  2001-05-25
   PRIOR APPLICATION NUMBER: US 60/207,456
   PRIOR FILING DATE: 2000-05-26
   PRIOR APPLICATION NUMBER: GB 24263.6
   PRIOR FILING DATE: 2000-10-04
   PRIOR APPLICATION NUMBER: US 60/236,359
   PRIOR FILING DATE: 2000-09-27
   PRIOR APPLICATION NUMBER: PCT/US01/00666
   PRIOR FILING DATE: 2001-01-30
   PRIOR APPLICATION NUMBER: PCT/US01/00667
   PRIOR FILING DATE: 2001-01-30
   PRIOR APPLICATION NUMBER: PCT/US01/00664
   PRIOR FILING DATE: 2001-01-30
   PRIOR APPLICATION NUMBER: PCT/US01/00669
   PRIOR FILING DATE: 2001-01-30
   PRIOR APPLICATION NUMBER: PCT/US01/00665
   PRIOR FILING DATE: 2001-01-30
   PRIOR APPLICATION NUMBER: PCT/US01/00668
   PRIOR FILING DATE: 2001-01-30
   PRIOR APPLICATION NUMBER: PCT/US01/00663
   PRIOR FILING DATE: 2001-01-30
   PRIOR APPLICATION NUMBER: PCT/US01/00662
   PRIOR FILING DATE: 2001-01-30
   PRIOR APPLICATION NUMBER: PCT/US01/00661
   PRIOR FILING DATE: 2001-01-30
   PRIOR APPLICATION NUMBER: PCT/US01/00670
   PRIOR FILING DATE: 2001-01-30
   PRIOR APPLICATION NUMBER: US 60/234,687
   PRIOR FILING DATE: 2000-09-21
   PRIOR APPLICATION NUMBER: US 60/266,860
   PRIOR FILING DATE: 2001-02-05
   NUMBER OF SEQ ID NOS: 15752
   SOFTWARE: Aeomica Sequence Listing Engine
  SEQ ID NO 13563
    LENGTH: 25
    TYPE: DNA
    ORGANISM: Homo sapiens
US-09-866-108-13563

  Query Match              0.8%;  Score 17.2;  DB 1;  Length 25;
  Best Local Similarity   86.4%;  Pred. No. 2.8e+02;
  Matches   19;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1450 GAGAAAACCAAGGAGGAGAAGC 1471
              ||| || ||||| |||||||||
Db          1 GAGGAAGCCAAGAAGGAGAAGC 22


RESULT 149
US-10-060-756A-2590
; Sequence 2590, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 2590
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-2590

  Query Match              0.8%;  Score 17.2;  DB 1;  Length 25;
  Best Local Similarity   86.4%;  Pred. No. 2.8e+02;
  Matches   19;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1409 AAGAGAAAGACCCAGAGGAGAA 1430
              ||||| |||||| ||||||| |
Db          4 AAGAGGAAGACCTAGAGGAGCA 25


RESULT 150
US-10-060-756A-2591
; Sequence 2591, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
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;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 2591
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-2591

  Query Match             0.8%;  Score 17.2;  DB 1;  Length 25;
  Best Local Similarity   86.4%;  Pred. No. 2.8e+02;
  Matches   19;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1409 AAGAGAAAGACCCAGAGGAGAA 1430
              ||||| |||||| ||||||| |
Db          3 AAGAGGAAGACCTAGAGGAGCA 24


RESULT 151
US-10-060-756A-2592
; Sequence 2592, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 2592
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-2592

  Query Match             0.8%;  Score 17.2;  DB 1;  Length 25;
  Best Local Similarity   86.4%;  Pred. No. 2.8e+02;
  Matches   19;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1409 AAGAGAAAGACCCAGAGGAGAA 1430
              ||||| |||||| ||||||| |
Db          2 AAGAGGAAGACCTAGAGGAGCA 23


RESULT 152
US-10-060-756A-2593
; Sequence 2593, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 2593
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-2593

  Query Match             0.8%;  Score 17.2;  DB 1;  Length 25;
  Best Local Similarity   86.4%;  Pred. No. 2.8e+02;
  Matches   19;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1409 AAGAGAAAGACCCAGAGGAGAA 1430
              ||||| |||||| ||||||| |
Db          1 AAGAGGAAGACCTAGAGGAGCA 22


RESULT 153
US-10-098-263B-107894/c
; Sequence 107894, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
;  APPLICANT: Mittman, Michael
;  TITLE OF INVENTION: Human Microarray
;  FILE REFERENCE: 3118.1
;  CURRENT APPLICATION NUMBER: US/10/098,263B
;  CURRENT FILING DATE:  2003-01-08
;  PRIOR APPLICATION NUMBER: 60/276,759
;  PRIOR FILING DATE: 2001-03-16
;  NUMBER OF SEQ ID NOS: 131066
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 107894
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-10-098-263B-107894

  Query Match             0.8%;  Score 17.2;  DB 1;  Length 25;
  Best Local Similarity   86.4%;  Pred. No. 2.8e+02;
  Matches   19;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        443 AGCAGACGGACATCGCTGTGAA 464
              ||||||||||||||| ||  |||
Db         25 AGCAGACGGACATCCCTCGGAA 4


RESULT 154
US-10-723-361-13559
; Sequence 13559, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
```

```
  APPLICANT:  CHEN, Wensheng
  APPLICANT:  SHANNON, Mark
  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
  FILE REFERENCE: PB0105
  CURRENT APPLICATION NUMBER: US/10/723,361
  CURRENT FILING DATE:  2003-11-26
  PRIOR APPLICATION NUMBER: US 09/866,108
  PRIOR FILING DATE: 2001-05-25
  PRIOR APPLICATION NUMBER: US 60/207,456
  PRIOR FILING DATE: 2000-05-26
  PRIOR APPLICATION NUMBER: GB 24263.6
  PRIOR FILING DATE: 2000-10-04
  PRIOR APPLICATION NUMBER: US 60/236,359
  PRIOR FILING DATE: 2000-09-27
  PRIOR APPLICATION NUMBER: PCT/US01/00666
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00667
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00664
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00669
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00665
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00668
  PRIOR FILING DATE: 2001-01-30
  Remaining Prior Application data removed - See File Wrapper or PALM.
  NUMBER OF SEQ ID NOS: 15755
  SOFTWARE: Aeomica Sequence Listing Engine
 SEQ ID NO 13559
   LENGTH: 25
   TYPE: DNA
   ORGANISM: Homo sapiens
S-10-723-361-13559

 Query Match              0.8%;  Score 17.2;  DB 1;  Length 25;
 Best Local Similarity   86.4%;  Pred. No. 2.8e+02;
 Matches   19;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1449 GGAGAAAACCAAGGAGGAGAAG 1470
             |||| || ||||| ||||||||
Db          4 GGAGGAAGCCAAGAAGGAGAAG 25


RESULT 155
JS-10-723-361-13563
; Sequence 13563, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
;  FILE REFERENCE: PB0105
;  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: US 09/866,108
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 13563
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-723-361-13563

  Query Match              0.8%;  Score 17.2;  DB 1;  Length 25;
  Best Local Similarity   86.4%;  Pred. No. 2.8e+02;
  Matches   19;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1450 GAGAAAACCAAGGAGGAGAAGC 1471
              ||| || ||||| |||||||||
Db          1 GAGGAAGCCAAGAAGGAGAAGC 22


RESULT 156
US-09-866-108-13970/c
; Sequence 13970, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
```

```
; SEQ ID NO 13970
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-13970

  Query Match             0.8%;  Score 17;  DB 1;  Length 25;
  Best Local Similarity   80.0%;  Pred. No. 3e+02;
  Matches   20;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       1509 CTGAATGGACCTCTCCAGCTCTGGC 1533
              | ||||||| |||||| |||| |
Db         25 CCGAATGGATGTCTCCAGGTCTGTC 1


RESULT 157
US-10-060-756A-2587
; Sequence 2587, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 2587
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-2587

  Query Match             0.8%;  Score 17;  DB 1;  Length 25;
  Best Local Similarity   80.0%;  Pred. No. 3e+02;
  Matches   20;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       1403 ATGAAAAAGAGAAAGACCCAGAGGA 1427
              | ||  ||||| |||||| ||||||
Db          1 AGGACGAAGAGGAAGACCTAGAGGA 25


RESULT 158
US-10-098-263B-85/c
; Sequence 85, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
;  APPLICANT: Mittman, Michael
;  TITLE OF INVENTION: Human Microarray
;  FILE REFERENCE: 3118.1
;  CURRENT APPLICATION NUMBER: US/10/098,263B
;  CURRENT FILING DATE:  2003-01-08
;  PRIOR APPLICATION NUMBER: 60/276,759
;  PRIOR FILING DATE: 2001-03-16
;  NUMBER OF SEQ ID NOS: 131066
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 85
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-10-098-263B-85

  Query Match             0.8%;  Score 17;  DB 1;  Length 25;
  Best Local Similarity   80.0%;  Pred. No. 3e+02;
  Matches   20;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy        632 CGGACCGGGTCATGACTGTGTCCTT 656
              ||||||| ||| |||||| | || |
Db         25 CGGACCGTGTCCTGACTGAGACCCT 1


RESULT 159
US-10-098-263B-16370/c
; Sequence 16370, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
;  APPLICANT: Mittman, Michael
;  TITLE OF INVENTION: Human Microarray
;  FILE REFERENCE: 3118.1
;  CURRENT APPLICATION NUMBER: US/10/098,263B
;  CURRENT FILING DATE:  2003-01-08
;  PRIOR APPLICATION NUMBER: 60/276,759
;  PRIOR FILING DATE: 2001-03-16
;  NUMBER OF SEQ ID NOS: 131066
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 16370
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-10-098-263B-16370

  Query Match             0.8%;  Score 17;  DB 1;  Length 25;
  Best Local Similarity   80.0%;  Pred. No. 3e+02;
  Matches   20;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy         18 GGAGGGCGGACGGACCGACTGACGG 42
              ||| | |||||| || ||| |||||
Db         25 GGAAGCCGGACGCACGGACGGACGG 1


RESULT 160
US-10-098-263B-126908
; Sequence 126908, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
;  APPLICANT: Mittman, Michael
;  TITLE OF INVENTION: Human Microarray
;  FILE REFERENCE: 3118.1
;  CURRENT APPLICATION NUMBER: US/10/098,263B
;  CURRENT FILING DATE:  2003-01-08
;  PRIOR APPLICATION NUMBER: 60/276,759
;  PRIOR FILING DATE: 2001-03-16
;  NUMBER OF SEQ ID NOS: 131066
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 126908
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-10-098-263B-126908

  Query Match             0.8%;  Score 17;  DB 1;  Length 25;
  Best Local Similarity   80.0%;  Pred. No. 3e+02;
  Matches   20;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       1753 GGGTGAAAGGGATACTTTTATGCAA 1777
              | || | | |||||||||||| |||
Db          1 GAGTCACAAGGATACTTTTATTCAA 25


RESULT 161
```

```
S-10-098-263B-129330
 Sequence 129330, Application US/10098263B
 Publication No. US20030104410A1
 GENERAL INFORMATION:
  APPLICANT: Mittman, Michael
  TITLE OF INVENTION: Human Microarray
  FILE REFERENCE: 3118.1
  CURRENT APPLICATION NUMBER: US/10/098,263B
  CURRENT FILING DATE:  2003-01-08
  PRIOR APPLICATION NUMBER: 60/276,759
  PRIOR FILING DATE: 2001-03-16
  NUMBER OF SEQ ID NOS: 131066
  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
 SEQ ID NO 129330
   LENGTH: 25
   TYPE: DNA
   ORGANISM: Homo sapien
US-10-098-263B-129330

  Query Match             0.8%;  Score 17;  DB 1;  Length 25;
  Best Local Similarity   80.0%;  Pred. No. 3e+02;
  Matches   20;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       1441 ACCGAAGAGGAGAAAACCAAGGAGG 1465
             | | |||||||||  || |||||||
Db          1 AACAAAGAGGAGACCACAAAGGAGG 25


RESULT 162
US-10-723-361-13970/c
 Sequence 13970, Application US/10723361
 Publication No. US20040137589A1
 GENERAL INFORMATION:
  APPLICANT: GU, Yizhong
  APPLICANT:  JI, Yonggang
  APPLICANT:  PENN, Sharron G.
  APPLICANT:  HANZEL, David K.
  APPLICANT:  RANK, David R.
  APPLICANT:  CHEN, Wensheng
  APPLICANT:  SHANNON, Mark
  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
  FILE REFERENCE: PB0105
  CURRENT APPLICATION NUMBER: US/10/723,361
  CURRENT FILING DATE:  2003-11-26
  PRIOR APPLICATION NUMBER: US 09/866,108
  PRIOR FILING DATE: 2001-05-25
  PRIOR APPLICATION NUMBER: US 60/207,456
  PRIOR FILING DATE: 2000-05-26
  PRIOR APPLICATION NUMBER: GB 24263.6
  PRIOR FILING DATE: 2000-10-04
  PRIOR APPLICATION NUMBER: US 60/236,359
  PRIOR FILING DATE: 2000-09-27
  PRIOR APPLICATION NUMBER: PCT/US01/00666
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00667
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00664
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00669
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00665
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00668
  PRIOR FILING DATE: 2001-01-30
  Remaining Prior Application data removed - See File Wrapper or PALM.
  NUMBER OF SEQ ID NOS: 15755
  SOFTWARE: Aeomica Sequence Listing Engine
 SEQ ID NO 13970
   LENGTH: 25
   TYPE: DNA
   ORGANISM: Homo sapiens
US-10-723-361-13970

  Query Match             0.8%;  Score 17;  DB 1;  Length 25;
  Best Local Similarity   80.0%;  Pred. No. 3e+02;
  Matches   20;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       1509 CTGAATGGACCTCTCCAGCTCTGGC 1533
             | ||||||| ||||||| |||| |
Db         25 CCGAATGGATGTCTCCAGGTCTGTC 1


RESULT 163
US-10-136-728-122/c
 Sequence 122, Application US/10136728
 Publication No. US20030236188A1
 GENERAL INFORMATION:
  APPLICANT: Spytek, Kimberly A.
  APPLICANT:  Li, Li
  APPLICANT:  Edinger, Shlomit R.
  APPLICANT:  Stone, David J.
  APPLICANT:  Guo, Xiaojia
  APPLICANT:  Anderson, David W.
  APPLICANT:  Patturajan, Meera
  APPLICANT:  Gerlach, Valerie L.
  APPLICANT:  Taupier, Raymond J.
  APPLICANT:  Pena, Carol E.A.
  APPLICANT:  Padigaru, Muralidhara
  APPLICANT:  Kekuda, Ramesh
  APPLICANT:  Gorman, Linda
  APPLICANT:  Zerhusen, Bryan D.
  APPLICANT:  Smithson, Glennda
  APPLICANT:  MacDougall, John R.
  APPLICANT:  Mezes, Peter S.
  APPLICANT:  Perman, John A.
  APPLICANT:  Zhong, Mei
  TITLE OF INVENTION: No. US20030236188A1el Human Proteins, Polynucleotides Encoding T
  TITLE OF INVENTION:  The Same
  FILE REFERENCE: 21402-347 D (Cura 647 Other)
  CURRENT APPLICATION NUMBER: US/10/136,728
  CURRENT FILING DATE:  2002-05-01
  PRIOR APPLICATION NUMBER: 60/288,395
  PRIOR FILING DATE: 2001-05-03
  PRIOR APPLICATION NUMBER: 60/289,087
  PRIOR FILING DATE: 2001-05-07
  PRIOR APPLICATION NUMBER: 60/289,619
  PRIOR FILING DATE: 2001-05-08
  PRIOR APPLICATION NUMBER: 60/289,818
  PRIOR FILING DATE: 2001-05-09
  PRIOR APPLICATION NUMBER: 60/289,817
  PRIOR FILING DATE: 2001-05-09
  PRIOR APPLICATION NUMBER: 60/290,194
  PRIOR FILING DATE: 2001-05-11
  PRIOR APPLICATION NUMBER: 60/290,753
  PRIOR FILING DATE: 2001-05-14
  PRIOR APPLICATION NUMBER: 60/291,189
  PRIOR FILING DATE: 2001-05-15
  PRIOR APPLICATION NUMBER: 60/292,374
  PRIOR FILING DATE: 2001-05-21
  PRIOR APPLICATION NUMBER: 60/293,107
  PRIOR FILING DATE: 2001-05-23
  Remaining Prior Application data removed - See File Wrapper or PALM.
  NUMBER OF SEQ ID NOS: 132
 SEQ ID NO 122
   LENGTH: 26
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence: probe
US-10-136-728-122

  Query Match             0.8%;  Score 17;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 3.2e+02;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1393 AAAACAGAGGATGAAAA 1409
```

```
                    ||||||||||||||||||
Db          22 AAAACAGAGGATGAAAA 6


RESULT 164
US-09-953-318-65/c
; Sequence 65, Application US/09953318
; Publication No. US20030105036A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPT
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTS-0232
;  CURRENT APPLICATION NUMBER: US/09/953,318
;  CURRENT FILING DATE:  2001-09-13
;  NUMBER OF SEQ ID NOS: 154
; SEQ ID NO 65
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Antisense Oligonucleotide
US-09-953-318-65

  Query Match             0.8%;  Score 16.8;  DB 1;  Length 20;
  Best Local Similarity   90.0%;  Pred. No. 2.3e+02;
  Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        471 TGGGGGCCTGCACCATGCAA 490
              |||| |||||||||| ||||
Db         20 TGGGAGCCTGCACCAAGCAA 1


RESULT 165
US-10-446-373-65/c
; Sequence 65, Application US/10446373
; Publication No. US20030204076A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPT
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTS-0232
;  CURRENT APPLICATION NUMBER: US/10/446,373
;  CURRENT FILING DATE:  2003-05-28
;  PRIOR APPLICATION NUMBER: US/09/953,318
;  PRIOR FILING DATE: 2001-09-13
;  NUMBER OF SEQ ID NOS: 154
; SEQ ID NO 65
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Antisense Oligonucleotide
US-10-446-373-65

  Query Match             0.8%;  Score 16.8;  DB 1;  Length 20;
  Best Local Similarity   90.0%;  Pred. No. 2.3e+02;
  Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        471 TGGGGGCCTGCACCATGCAA 490
              |||| |||||||||| ||||
Db         20 TGGGAGCCTGCACCAAGCAA 1


RESULT 166
US-10-218-969-48
; Sequence 48, Application US/10218969
; Publication No. US20030165916A1
; GENERAL INFORMATION:
;  APPLICANT: Sealfon, Stuart
;  APPLICANT:  Yuen, Tony
;  APPLICANT:  Wurmbach, Elisa
;  TITLE OF INVENTION: Use of Intrinsic Reporters of Cell Signaling For High Content Dru
;  TITLE OF INVENTION:  Profiling and Toxicity Screening
;  FILE REFERENCE: 2459-1-007N
;  CURRENT APPLICATION NUMBER: US/10/218,969
;  CURRENT FILING DATE:  2002-08-14
;  PRIOR APPLICATION NUMBER: US 60/312,220
;  PRIOR FILING DATE: 2001-08-14
;  PRIOR APPLICATION NUMBER: US  60/324,895
;  PRIOR FILING DATE: 2001-09-26
;  NUMBER OF SEQ ID NOS: 120
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 48
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Homo sapiens
US-10-218-969-48

  Query Match             0.8%;  Score 16.8;  DB 1;  Length 20;
  Best Local Similarity   90.0%;  Pred. No. 2.3e+02;
  Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1805 GTGCCTGCTTAGTAGCTTTG 1824
              |||||||||||| |||| ||
Db          1 GTGCCTGCTTAGGAGCTCTG 20


RESULT 167
US-10-282-174-538/c
; Sequence 538, Application US/10282174
; Publication No. US20030224380A1
; GENERAL INFORMATION:
;  APPLICANT: Becker, Kenneth David
;  APPLICANT:  Velicelebi, Gonul
;  APPLICANT:  Elliot, Kathryn J.
;  APPLICANT:  Wang, Xin
;  APPLICANT:  Tanzi, Rudolph E.
;  APPLICANT:  Bertram, Lars
;  APPLICANT:  Saunders, Aleister J.
;  APPLICANT:  Mullin, Kristina M.
;  APPLICANT:  Sampson, Andrew Johnson
;  APPLICANT:  Blacker, Deborah Lynne
;  TITLE OF INVENTION: GENES AND POLYMORPHISMS ON CHROMOSOME 10
;  TITLE OF INVENTION:  ASSOCIATED WITH ALZHEIMER'S DISEASE AND OTHER
;  TITLE OF INVENTION:  NEURODEGENERATIVE DISEASES
;  FILE REFERENCE: 37481-3308
;  CURRENT APPLICATION NUMBER: US/10/282,174
;  CURRENT FILING DATE:  2002-10-25
;  PRIOR APPLICATION NUMBER: US 60/339,525
;  PRIOR FILING DATE: 2001-10-25
;  PRIOR APPLICATION NUMBER: US 60/338,010
;  PRIOR FILING DATE: 2001-11-08
;  PRIOR APPLICATION NUMBER: US 60/336,929
;  PRIOR FILING DATE: 2001-11-08
;  PRIOR APPLICATION NUMBER: US 60/338,363
;  PRIOR FILING DATE: 2001-11-09
;  PRIOR APPLICATION NUMBER: US 60/337,052
;  PRIOR FILING DATE: 2001-12-04
;  PRIOR APPLICATION NUMBER: US 60/368,919
;  PRIOR FILING DATE: 2002-03-28
;  NUMBER OF SEQ ID NOS: 564
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 538
;    LENGTH: 24
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Primer
US-10-282-174-538

  Query Match             0.8%;  Score 16.8;  DB 1;  Length 24;
  Best Local Similarity   90.0%;  Pred. No. 3e+02;
  Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;
```

```
y       1443 CGAAGAGGAGAAAACCAAGG 1462
             |||||||||||||| ||| ||
b         22 CGAAGAGGAGAAACCCAGGG 3


ESULT 168
S-10-098-263B-45486/c
 Sequence 45486, Application US/10098263B
 Publication No. US20030104410A1
 GENERAL INFORMATION:
  APPLICANT: Mittman, Michael
  TITLE OF INVENTION: Human Microarray
  FILE REFERENCE: 3118.1
  CURRENT APPLICATION NUMBER: US/10/098,263B
  CURRENT FILING DATE:  2003-01-08
  PRIOR APPLICATION NUMBER: 60/276,759
  PRIOR FILING DATE: 2001-03-16
  NUMBER OF SEQ ID NOS: 131066
  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
 SEQ ID NO 45486
   LENGTH: 25
   TYPE: DNA
   ORGANISM: Homo sapien
S-10-098-263B-45486

 Query Match             0.8%;  Score 16.8;  DB 1;  Length 25;
 Best Local Similarity   90.0%;  Pred. No. 3.2e+02;
 Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y       1187 ACGCACCTGGGGTCCAAATG 1206
             |||||||||||||||| | ||
b         25 ACGCACCTGGGGTCCGAGTG 6


ESULT 169
S-10-098-263B-101628
 Sequence 101628, Application US/10098263B
 Publication No. US20030104410A1
 GENERAL INFORMATION:
  APPLICANT: Mittman, Michael
  TITLE OF INVENTION: Human Microarray
  FILE REFERENCE: 3118.1
  CURRENT APPLICATION NUMBER: US/10/098,263B
  CURRENT FILING DATE:  2003-01-08
  PRIOR APPLICATION NUMBER: 60/276,759
  PRIOR FILING DATE: 2001-03-16
  NUMBER OF SEQ ID NOS: 131066
  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
 SEQ ID NO 101628
   LENGTH: 25
   TYPE: DNA
   ORGANISM: Homo sapien
JS-10-098-263B-101628

  Query Match             0.8%;  Score 16.8;  DB 1;  Length 25;
  Best Local Similarity   90.0%;  Pred. No. 3.2e+02;
  Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy      1718 GTTCTTAACTTTGAACCATA 1737
             |||||||||||  ||||||
Db         6 GTTCTTAACTTTTTACCATA 25


RESULT 170
JS-09-995-529-198/c
; Sequence 198, Application US/09995529
; Publication No. US20030099655A1
; GENERAL INFORMATION:
;  APPLICANT: Watkins, Jeffry D.
;  APPLICANT:  Huse, William D.
;  APPLICANT:  Tang, Ying
;  TITLE OF INVENTION: Humanized Collagen Antibodies and
;  TITLE OF INVENTION:  Related Methods
;  FILE REFERENCE: P-IX 4976
;  CURRENT APPLICATION NUMBER: US/09/995,529
;  CURRENT FILING DATE:  2001-11-26
;  NUMBER OF SEQ ID NOS: 358
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 198
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-09-995-529-198

  Query Match             0.8%;  Score 16.6;  DB 1;  Length 17;
  Best Local Similarity   94.1%;  Pred. No. 1.9e+02;
  Matches   16;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1406 AAAAAGAGAAAGACCCA 1422
             |||||||||||||:|||
Db        17 AAAAAGAGAAAGAYCCA 1


RESULT 171
US-09-995-529-198/c
; Sequence 198, Application US/09995529
; Publication No. US20040091482A9
; GENERAL INFORMATION:
;  APPLICANT: Watkins, Jeffry D.
;  APPLICANT:  Huse, William D.
;  APPLICANT:  Tang, Ying
;  TITLE OF INVENTION: Humanized Collagen Antibodies and
;  TITLE OF INVENTION:  Related Methods
;  FILE REFERENCE: P-IX 4976
;  CURRENT APPLICATION NUMBER: US/09/995,529
;  CURRENT FILING DATE:  2001-11-26
;  NUMBER OF SEQ ID NOS: 358
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 198
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-09-995-529-198

  Query Match             0.8%;  Score 16.6;  DB 1;  Length 17;
  Best Local Similarity   94.1%;  Pred. No. 1.9e+02;
  Matches   16;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1406 AAAAAGAGAAAGACCCA 1422
             |||||||||||||:|||
Db        17 AAAAAGAGAAAGAYCCA 1


RESULT 172
US-09-866-108-13967/c
; Sequence 13967, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
```

```
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 13967
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-13967

  Query Match             0.8%;  Score 16.6;  DB 1;  Length 25;
  Best Local Similarity   82.6%;  Pred. No. 3.5e+02;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1512 AATGGACCTCTCCAGCTCTGGCT 1534
                ||||||  ||||||| |||| ||
Db         25 AATGGATGTCTCCAGGTCTGTCT 3


RESULT 173
US-09-866-108-13971/c
; Sequence 13971, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 13971
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-13971

  Query Match             0.8%;  Score 16.6;  DB 1;  Length 25;
  Best Local Similarity   82.6%;  Pred. No. 3.5e+02;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1509 CTGAATGGACCTCTCCAGCTCTG 1531
                | |||||||  ||||||| ||||
Db         24 CCGAATGGATGTCTCCAGGTCTG 2


RESULT 174
US-09-866-108-13972/c
; Sequence 13972, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
```

```
  PRIOR APPLICATION NUMBER: PCT/US01/00661
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00670
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: US 60/234,687
  PRIOR FILING DATE: 2000-09-21
  PRIOR APPLICATION NUMBER: US 60/266,860
  PRIOR FILING DATE: 2001-02-05
  NUMBER OF SEQ ID NOS: 15752
  SOFTWARE: Aeomica Sequence Listing Engine
 SEQ ID NO 13972
   LENGTH: 25
   TYPE: DNA
   ORGANISM: Homo sapiens
S-09-866-108-13972

 Query Match             0.8%;  Score 16.6;  DB 1;  Length 25;
 Best Local Similarity   82.6%;  Pred. No. 3.5e+02;
 Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1509 CTGAATGGACCTCTCCAGCTCTG 1531
             | ||||||| ||||||| ||||
Db         23 CCGAATGGATGTCTCCAGGTCTG 1


RESULT 175
US-09-808-658-1
 Sequence 1, Application US/09808658
 Publication No. US20030215799A1
 GENERAL INFORMATION:
  APPLICANT: Sharpe, Pamela L
  APPLICANT:  Nagarajan, Vasantha
  TITLE OF INVENTION: Method for Determination of Gene Function
  FILE REFERENCE: BC1027 US NA
  CURRENT APPLICATION NUMBER: US/09/808,658
  CURRENT FILING DATE:  2001-03-15
  PRIOR APPLICATION NUMBER: 60/191,561
  PRIOR FILING DATE: March 23, 2000
  NUMBER OF SEQ ID NOS: 14
  SOFTWARE: Microsoft Office 97
 SEQ ID NO 1
   LENGTH: 25
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence:primer sequence
US-09-808-658-1

 Query Match             0.8%;  Score 16.6;  DB 1;  Length 25;
 Best Local Similarity   82.6%;  Pred. No. 3.5e+02;
 Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1899 AAAGTAACATCAGCCATTTTTAG 1921
             || |||||||||| ||||| ||
Db          3 AATGTAACATCAGAGATTTTGAG 25


RESULT 176
US-10-182-006-15/c
; Sequence 15, Application US/10182006
; Publication No. US20040048250A1
; GENERAL INFORMATION:
;  APPLICANT: Warner-Lambert Company
;  TITLE OF INVENTION: GENE ENCODING ABC-1 PARALOG AND THE POLYPEPTIDE DERIVED
;  TITLE OF INVENTION:  THEREFROM
;  FILE REFERENCE: National Filing
;  CURRENT APPLICATION NUMBER: US/10/182,006
;  CURRENT FILING DATE:  2002-07-23
;  PRIOR APPLICATION NUMBER: PCT/US01/02191
;  PRIOR FILING DATE: 2001-01-23
;  PRIOR APPLICATION NUMBER: 60/177,889
;  PRIOR FILING DATE: 2000-01-24
;  PRIOR APPLICATION NUMBER: 60/215,405
;  PRIOR FILING DATE: 2000-06-30
;  NUMBER OF SEQ ID NOS: 18
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-10-182-006-15

  Query Match             0.8%;  Score 16.6;  DB 1;  Length 25;
  Best Local Similarity   82.6%;  Pred. No. 3.5e+02;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1328 ATTCTGAAGAGGAGGGAGAGGGG 1350
              | | ||||||| ||| |||||||
Db         23 AGTGTGAAGAGAAGGAAGAGGGG 1


RESULT 177
US-10-098-263B-7335/c
; Sequence 7335, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
;  APPLICANT: Mittman, Michael
;  TITLE OF INVENTION: Human Microarray
;  FILE REFERENCE: 3118.1
;  CURRENT APPLICATION NUMBER: US/10/098,263B
;  CURRENT FILING DATE:  2003-01-08
;  PRIOR APPLICATION NUMBER: 60/276,759
;  PRIOR FILING DATE: 2001-03-16
;  NUMBER OF SEQ ID NOS: 131066
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 7335
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-10-098-263B-7335

  Query Match             0.8%;  Score 16.6;  DB 1;  Length 25;
  Best Local Similarity   82.6%;  Pred. No. 3.5e+02;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1571 CAGATTTTATATTTTCTATTTCT 1593
              |||||||| || ||||  |||||
Db         25 CAGATTTTGTAGTTTCGCTTTCT 3


RESULT 178
US-10-098-263B-39796/c
; Sequence 39796, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
;  APPLICANT: Mittman, Michael
;  TITLE OF INVENTION: Human Microarray
;  FILE REFERENCE: 3118.1
;  CURRENT APPLICATION NUMBER: US/10/098,263B
;  CURRENT FILING DATE:  2003-01-08
;  PRIOR APPLICATION NUMBER: 60/276,759
;  PRIOR FILING DATE: 2001-03-16
;  NUMBER OF SEQ ID NOS: 131066
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 39796
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-10-098-263B-39796

  Query Match             0.8%;  Score 16.6;  DB 1;  Length 25;
  Best Local Similarity   82.6%;  Pred. No. 3.5e+02;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;
```

```
Qy       2067 CTTTGTAATAAAATGGTACATTT 2089
              || ||||| | ||||| ||||||
Db         25 CTCTGTAAAACAATGGGACATTT 3


RESULT 179
US-10-098-263B-77695
; Sequence 77695, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
;  APPLICANT: Mittman, Michael
;  TITLE OF INVENTION: Human Microarray
;  FILE REFERENCE: 3118.1
;  CURRENT APPLICATION NUMBER: US/10/098,263B
;  CURRENT FILING DATE:  2003-01-08
;  PRIOR APPLICATION NUMBER: 60/276,759
;  PRIOR FILING DATE: 2001-03-16
;  NUMBER OF SEQ ID NOS: 131066
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 77695
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-10-098-263B-77695

  Query Match             0.8%;  Score 16.6;  DB 1;  Length 25;
  Best Local Similarity   82.6%;  Pred. No. 3.5e+02;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1245 CGATGAGGACGAAGACGACCCTG 1267
              | |||||| ||||| | ||||||
Db          1 CCATGAGGTCGAAGTCTACCCTG 23


RESULT 180
US-10-098-263B-106917/c
; Sequence 106917, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
;  APPLICANT: Mittman, Michael
;  TITLE OF INVENTION: Human Microarray
;  FILE REFERENCE: 3118.1
;  CURRENT APPLICATION NUMBER: US/10/098,263B
;  CURRENT FILING DATE:  2003-01-08
;  PRIOR APPLICATION NUMBER: 60/276,759
;  PRIOR FILING DATE: 2001-03-16
;  NUMBER OF SEQ ID NOS: 131066
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 106917
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-10-098-263B-106917

  Query Match             0.8%;  Score 16.6;  DB 1;  Length 25;
  Best Local Similarity   82.6%;  Pred. No. 3.5e+02;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1404 TGAAAAAGAGAAAGACCCAGAGG 1426
              ||| ||||||| |||||| ||||
Db         25 TGACAAAGAGAGTGACCCGGAGG 3


RESULT 181
US-10-098-263B-107869/c
; Sequence 107869, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
;  APPLICANT: Mittman, Michael
;  TITLE OF INVENTION: Human Microarray
;  FILE REFERENCE: 3118.1
;  CURRENT APPLICATION NUMBER: US/10/098,263B
;  CURRENT FILING DATE:  2003-01-08
;  PRIOR APPLICATION NUMBER: 60/276,759
;  PRIOR FILING DATE: 2001-03-16
;  NUMBER OF SEQ ID NOS: 131066
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 107869
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-10-098-263B-107869

  Query Match             0.8%;  Score 16.6;  DB 1;  Length 25;
  Best Local Similarity   82.6%;  Pred. No. 3.5e+02;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        620 CCTTCTACACCACGGACCGGGTC 642
              |||||| ||| |||| || ||||
Db         23 CCTTCTGCACTACGGTCCTGGTC 1


RESULT 182
US-10-098-263B-107870/c
; Sequence 107870, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
;  APPLICANT: Mittman, Michael
;  TITLE OF INVENTION: Human Microarray
;  FILE REFERENCE: 3118.1
;  CURRENT APPLICATION NUMBER: US/10/098,263B
;  CURRENT FILING DATE:  2003-01-08
;  PRIOR APPLICATION NUMBER: 60/276,759
;  PRIOR FILING DATE: 2001-03-16
;  NUMBER OF SEQ ID NOS: 131066
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 107870
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-10-098-263B-107870

  Query Match             0.8%;  Score 16.6;  DB 1;  Length 25;
  Best Local Similarity   82.6%;  Pred. No. 3.5e+02;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        620 CCTTCTACACCACGGACCGGGTC 642
              |||||| ||| |||| || ||||
Db         23 CCTTCTGCACAACGGTCCTGGTC 1


RESULT 183
US-10-036-959B-16
; Sequence 16, Application US/10036959B
; Publication No. US20030119098A1
; GENERAL INFORMATION:
;  APPLICANT: E.I. du Pont de Nemours & Company
;  APPLICANT:  Hallahan, David L.
;  APPLICANT:  Keiper-Hrynko, Natalie
;  TITLE OF INVENTION: Genes Involved in the Biosynthesis of Isopentenyl Diphosphate in
;  TITLE OF INVENTION:  brasiliensis Latex
;  FILE REFERENCE: CL-1792
;  CURRENT APPLICATION NUMBER: US/10/036,959B
;  CURRENT FILING DATE:  2002-05-10
;  PRIOR APPLICATION NUMBER: 60/307,637
;  PRIOR FILING DATE: 2001-07-25
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: Microsoft Office 97
; SEQ ID NO 16
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-10-036-959B-16
```

```
 Query Match             0.8%;  Score 16.6;  DB 1;  Length 25;
 Best Local Similarity   82.6%;  Pred. No. 3.5e+02;
 Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

y       1899 AAAGTAACATCAGCCATTTTTAG 1921
             || |||||||||| ||||| ||
b          3 AATGTAACATCAGAGATTTTGAG 25


ESULT 184
S-10-392-041-12/c
 Sequence 12, Application US/10392041
 Publication No. US20040101826A1
 GENERAL INFORMATION:
  APPLICANT: Jones, Alison M.
  APPLICANT:  Robey, W. Wade
  TITLE OF INVENTION: Monitoring High-Risk Environments
  FILE REFERENCE: 12794/010001
  CURRENT APPLICATION NUMBER: US/10/392,041
  CURRENT FILING DATE:  2003-03-18
  PRIOR APPLICATION NUMBER: 10/306,113
  PRIOR FILING DATE: 2002-11-27
  NUMBER OF SEQ ID NOS: 13
  SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 12
   LENGTH: 25
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Synthetic
S-10-392-041-12

 Query Match             0.8%;  Score 16.6;  DB 1;  Length 25;
 Best Local Similarity   82.6%;  Pred. No. 3.5e+02;
 Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

)y       1503 GTTGGCCTGAATGGACCTCTCCA 1525
              ||||||||| ||| | ||||||
)b         23 GTTGGCCTGGATGACCTTCTCCA 1


:ESULT 185
)S-10-394-763-12/c
  Sequence 12, Application US/10394763
  Publication No. US20040101917A1
  GENERAL INFORMATION:
   APPLICANT: Robey, W. Wade
   APPLICANT:  Jones, Alison M.
   TITLE OF INVENTION: Methods for Managing Animal Processing
   TITLE OF INVENTION:  Operations
   FILE REFERENCE: 12794/012001
   CURRENT APPLICATION NUMBER: US/10/394,763
   CURRENT FILING DATE:  2003-03-21
   PRIOR APPLICATION NUMBER: 10/306,113
   PRIOR FILING DATE: 2002-11-27
   NUMBER OF SEQ ID NOS: 13
   SOFTWARE: FastSEQ for Windows Version 4.0
  SEQ ID NO 12
    LENGTH: 25
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Probe
)S-10-394-763-12

  Query Match             0.8%;  Score 16.6;  DB 1;  Length 25;
  Best Local Similarity   82.6%;  Pred. No. 3.5e+02;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

)y       1503 GTTGGCCTGAATGGACCTCTCCA 1525
              ||||||||| ||| | ||||||
)b         23 GTTGGCCTGGATGACCTTCTCCA 1


RESULT 186
US-10-717-597-3088/c
; Sequence 3088, Application US/10717597
; Publication No. US20040110221A1
; GENERAL INFORMATION:
;  APPLICANT: Wyeth
;  APPLICANT:  Burczynski, Michael E.
;  APPLICANT:  Twine, Natalie C.
;  APPLICANT:  Dorner, Andrew J.
;  APPLICANT:  Trepicchio, William L.
;  APPLICANT:  Slonim, Donna K.
;  APPLICANT:  Stover, Jennifer A.
;  TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS
;  FILE REFERENCE: AM101080L
;  CURRENT APPLICATION NUMBER: US/10/717,597
;  CURRENT FILING DATE:  2003-11-21
;  PRIOR APPLICATION NUMBER: US 60/459,782
;  PRIOR FILING DATE: 2003-04-03
;  PRIOR APPLICATION NUMBER: US 60/427,982
;  PRIOR FILING DATE: 2002-11-21
;  NUMBER OF SEQ ID NOS: 4904
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3088
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-717-597-3088

  Query Match             0.8%;  Score 16.6;  DB 1;  Length 25;
  Best Local Similarity   82.6%;  Pred. No. 3.5e+02;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1456 ACCAAGGAGGAGAAGCCAGAAGC 1478
              ||||   ||||| ||||||||||
Db         23 ACCATTCAGGAGCAGCCAGAAGC 1


RESULT 187
US-10-723-361-13967/c
; Sequence 13967, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AI
;  FILE REFERENCE: PB0105
;  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: US 09/866,108
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
```

```
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 13967
;    LENGTH: 25
;    TYPE: DNA
;    ORGANISM: Homo sapiens
US-10-723-361-13967

  Query Match             0.8%;  Score 16.6;  DB 1;  Length 25;
  Best Local Similarity   82.6%;  Pred. No. 3.5e+02;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1512 AATGGACCTCTCCAGCTCTGGCT 1534
             ||||||  ||||||| |||| ||
Db         25 AATGGATGTCTCCAGGTCTGTCT 3


RESULT 188
US-10-723-361-13971/c
; Sequence 13971, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
;  FILE REFERENCE: PB0105
;  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: US 09/866,108
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 13971
;    LENGTH: 25
;    TYPE: DNA
;    ORGANISM: Homo sapiens
US-10-723-361-13971

  Query Match             0.8%;  Score 16.6;  DB 1;  Length 25;
  Best Local Similarity   82.6%;  Pred. No. 3.5e+02;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1509 CTGAATGGACCTCTCCAGCTCTG 1531
             | |||||||  ||||||| ||||
Db         24 CCGAATGGATGTCTCCAGGTCTG 2


RESULT 189
US-10-723-361-13972/c
; Sequence 13972, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
;  FILE REFERENCE: PB0105
;  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: US 09/866,108
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 13972
;    LENGTH: 25
;    TYPE: DNA
;    ORGANISM: Homo sapiens
US-10-723-361-13972

  Query Match             0.8%;  Score 16.6;  DB 1;  Length 25;
  Best Local Similarity   82.6%;  Pred. No. 3.5e+02;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1509 CTGAATGGACCTCTCCAGCTCTG 1531
             | |||||||  ||||||| ||||
Db         23 CCGAATGGATGTCTCCAGGTCTG 1


RESULT 190
US-10-759-889-7
; Sequence 7, Application US/10759889
; Publication No. US20040157331A1
; GENERAL INFORMATION:
;  APPLICANT: E. I. du Pont de Nemours and Co., Inc.
;  APPLICANT:  Van Dyk, Tina K
;  TITLE OF INVENTION: Regulator/Promoter for Tunable Gene Expression and Metabolite
;  TITLE OF INVENTION:  Sensing
;  FILE REFERENCE: CL2036 US NA
;  CURRENT APPLICATION NUMBER: US/10/759,889
;  CURRENT FILING DATE:  2004-01-16
;  PRIOR APPLICATION NUMBER: 60/440,965
;  PRIOR FILING DATE: 2003-01-17
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7
;    LENGTH: 25
;    TYPE: DNA
```

```
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Primer
S-10-759-889-7

 Query Match             0.8%;  Score 16.6;  DB 1;  Length 25;
 Best Local Similarity   82.6%;  Pred. No. 3.5e+02;
 Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

y       1899 AAAGTAACATCAGCCATTTTTAG 1921
             || |||||||||| |||||| ||
b          3 AATGTAACATCAGAGATTTTGAG 25


ESULT 191
S-09-996-263-13/c
 Sequence 13, Application US/09996263
 Publication No. US20030004325A1
   GENERAL INFORMATION:
        APPLICANT: Phillip Dan Cook
                   Andrew Kawasaki
        TITLE OF INVENTION: Sugar Modified Oligonucleotides
        NUMBER OF SEQUENCES: 37
        CORRESPONDENCE ADDRESS:
             ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz and No. US20030004325A1ris
             STREET: One Liberty Place - 46th Floor
             CITY: Philadelphia
             STATE: PA
             COUNTRY: U.S.A.
             ZIP: 19103
        COMPUTER READABLE FORM:
             MEDIUM TYPE: 3.5 inch disk, 720 Kb
             COMPUTER: IBM PC compatible
             OPERATING SYSTEM: PC-DOS/MS-DOS
             SOFTWARE: WordPerfect 5.1
        CURRENT APPLICATION DATA:
             APPLICATION NUMBER: US/09/996,263
             FILING DATE: 28-No. US20030004325A1-2001
             CLASSIFICATION: <Unknown>
        PRIOR APPLICATION DATA:
             APPLICATION NUMBER: 08/471,973
             FILING DATE: <Unknown>
        ATTORNEY/AGENT INFORMATION:
             NAME: Joseph Lucci
             REGISTRATION NUMBER: 33,307
             REFERENCE/DOCKET NUMBER: ISIS-2005
        TELECOMMUNICATION INFORMATION:
             TELEPHONE: 215-568-3100
             TELEFAX: 215-568-3439
   INFORMATION FOR SEQ ID NO: 13:
        SEQUENCE CHARACTERISTICS:
             LENGTH: 20 bases
             TYPE: nucleic acid
             STRANDEDNESS: single
             TOPOLOGY: linear
        ANTI-SENSE: yes
        SEQUENCE DESCRIPTION: SEQ ID NO: 13:
JS-09-996-263-13

  Query Match             0.8%;  Score 16.4;  DB 1;  Length 20;
  Best Local Similarity   94.4%;  Pred. No. 2.7e+02;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1460 AGGAGGAGAAGCCAGAAG 1477
              |||||||||||||||| ||
Db         19 AGGAGGAGAAGCCAGCAG 2


RESULT 192
US-10-057-550-28/c
; Sequence 28, Application US/10057550
; Publication No. US20030032607A1
; GENERAL INFORMATION:
;  APPLICANT: Monia, Brett P.
;  TITLE OF INVENTION: Antisense Oligonucleotide Modulation of raf Gene Expression
;  FILE REFERENCE:
;  CURRENT APPLICATION NUMBER: US/10/057,550
;  CURRENT FILING DATE:  2002-01-25
;  PRIOR APPLICATION NUMBER: 09/506,073
;  PRIOR FILING DATE: 2000-02-18
;  PRIOR APPLICATION NUMBER: US 09/143,214
;  PRIOR FILING DATE: 1998-08-28
;  PRIOR APPLICATION NUMBER: PCT/US98/13961
;  PRIOR FILING DATE: 1998-07-06
;  PRIOR APPLICATION NUMBER: US 08/888,982
;  PRIOR FILING DATE: 1997-07-07
;  PRIOR APPLICATION NUMBER: US 08/756,806
;  PRIOR FILING DATE: 1996-11-26
;  PRIOR APPLICATION NUMBER: PCT/US95/07111
;  PRIOR FILING DATE: 1995-05-31
;  PRIOR APPLICATION NUMBER: US 08/250,856
;  PRIOR FILING DATE: 1994-05-31
;  NUMBER OF SEQ ID NOS: 130
; SEQ ID NO 28
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   OTHER INFORMATION: antisense sequence
US-10-057-550-28

  Query Match             0.8%;  Score 16.4;  DB 1;  Length 20;
  Best Local Similarity   94.4%;  Pred. No. 2.7e+02;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1460 AGGAGGAGAAGCCAGAAG 1477
              |||||||||||||||| ||
Db         19 AGGAGGAGAAGCCAGCAG 2


RESULT 193
US-10-173-225B-27/c
; Sequence 27, Application US/10173225B
; Publication No. US20030119769A1
; GENERAL INFORMATION:
;  APPLICANT: Monia, Brett P.
;  TITLE OF INVENTION: Antisense Oligonucleotide Modulation of raf Gene Expression
;  FILE REFERENCE: ISPH-0665
;  CURRENT APPLICATION NUMBER: US/10/173,225B
;  CURRENT FILING DATE:  2002-12-06
;  PRIOR APPLICATION NUMBER: US 10/057,550
;  PRIOR FILING DATE: 2002-01-25
;  PRIOR APPLICATION NUMBER: US 09/143,214
;  PRIOR FILING DATE: 1998-08-28
;  PRIOR APPLICATION NUMBER: PCT/US98/13961
;  PRIOR FILING DATE: 1998-07-06
;  PRIOR APPLICATION NUMBER: US 08/888,982
;  PRIOR FILING DATE: 1997-07-07
;  PRIOR APPLICATION NUMBER: US 08/756,806
;  PRIOR FILING DATE: 1996-11-26
;  PRIOR APPLICATION NUMBER: PCT/US95/07111
;  PRIOR FILING DATE: 1995-05-31
;  PRIOR APPLICATION NUMBER: US 08/250,856
;  PRIOR FILING DATE: 1994-05-31
;  NUMBER OF SEQ ID NOS: 109
; SEQ ID NO 27
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   OTHER INFORMATION: antisense sequence
US-10-173-225B-27

  Query Match             0.8%;  Score 16.4;  DB 1;  Length 20;
  Best Local Similarity   94.4%;  Pred. No. 2.7e+02;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;
```

```
Qy       1460 AGGAGGAGAAGCCAGAAG 1477
              ||||||||||||||| ||
Db         19 AGGAGGAGAAGCCAGCAG 2


RESULT 194
US-10-352-586-13/c
; Sequence 13, Application US/10352586
; Publication No. US20030187240A1
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip Dan
;  APPLICANT:  Kawasaki, Andrew
;  TITLE OF INVENTION: 2'-Modified Oligonucleotides
;  FILE REFERENCE: ISIS5137
;  CURRENT APPLICATION NUMBER: US/10/352,586
;  CURRENT FILING DATE:  2003-01-28
;  PRIOR APPLICATION NUMBER: 09/389,283
;  PRIOR FILING DATE: 1999-09-02
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 13
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic construct
US-10-352-586-13

  Query Match             0.8%;  Score 16.4;  DB 1;  Length 20;
  Best Local Similarity   94.4%;  Pred. No. 2.7e+02;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1460 AGGAGGAGAAGCCAGAAG 1477
              ||||||||||||||| ||
Db         19 AGGAGGAGAAGCCAGCAG 2


RESULT 195
US-10-293-863-27/c
; Sequence 27, Application US/10293863
; Publication No. US20040092464A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Nicholas M. Dean
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF MITOGEN-ACTIVATED PROTEIN KINASE KINASE KINASE 11 E
;  FILE REFERENCE: HTS-0090
;  CURRENT APPLICATION NUMBER: US/10/293,863
;  CURRENT FILING DATE:  2002-11-11
;  NUMBER OF SEQ ID NOS: 78
; SEQ ID NO 27
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-293-863-27

  Query Match             0.8%;  Score 16.4;  DB 1;  Length 20;
  Best Local Similarity   94.4%;  Pred. No. 2.7e+02;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1465 GAGAAGCCAGAAGCCAAA 1482
              | ||||||||||||||||
Db         19 GTGAAGCCAGAAGCCAAA 2


RESULT 196
US-10-293-863-61
; Sequence 61, Application US/10293863
; Publication No. US20040092464A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Nicholas M. Dean
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF MITOGEN-ACTIVATED PROTEIN KINASE KINASE KINASE 11 F
;  FILE REFERENCE: HTS-0090
;  CURRENT APPLICATION NUMBER: US/10/293,863
;  CURRENT FILING DATE:  2002-11-11
;  NUMBER OF SEQ ID NOS: 78
; SEQ ID NO 61
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-293-863-61

  Query Match             0.8%;  Score 16.4;  DB 1;  Length 20;
  Best Local Similarity   94.4%;  Pred. No. 2.7e+02;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1465 GAGAAGCCAGAAGCCAAA 1482
              | ||||||||||||||||
Db          2 GTGAAGCCAGAAGCCAAA 19


RESULT 197
US-10-671-395-983/c
; Sequence 983, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Gierse, James K
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: 1179/1/US
;  CURRENT APPLICATION NUMBER: US/10/671,395
;  CURRENT FILING DATE:  2003-09-25
;  PRIOR APPLICATION NUMBER: 60/413,549
;  PRIOR FILING DATE: 2002-09-25
;  NUMBER OF SEQ ID NOS: 1809
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 983
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-983

  Query Match             0.8%;  Score 16.4;  DB 1;  Length 20;
  Best Local Similarity   94.4%;  Pred. No. 2.7e+02;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1948 CTGGCCTCAAGTGAGCCA 1965
              ||||||||||||||| |||
Db         20 CTGGCCTCAAGTGATCCA 3


RESULT 198
US-10-671-395-1215/c
; Sequence 1215, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Gierse, James K
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: 1179/1/US
;  CURRENT APPLICATION NUMBER: US/10/671,395
;  CURRENT FILING DATE:  2003-09-25
;  PRIOR APPLICATION NUMBER: 60/413,549
;  PRIOR FILING DATE: 2002-09-25
;  NUMBER OF SEQ ID NOS: 1809
;  SOFTWARE: PatentIn version 3.2
```

```
SEQ ID NO 1215
  LENGTH: 20
  TYPE: DNA
  ORGANISM: artificial
  FEATURE:
  OTHER INFORMATION: Human PGE2 antisense
S-10-671-395-1215

 Query Match              0.8%;  Score 16.4;  DB 1;  Length 20;
 Best Local Similarity   94.4%;  Pred. No. 2.7e+02;
 Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y       1948 CTGGCCTCAAGTGAGCCA 1965
             ||||||||||||||| |||
b         18 CTGGCCTCAAGTGATCCA 1


ESULT 199
S-10-671-395-1220/c
 Sequence 1220, Application US/10671395
 Publication No. US20040132063A1
 GENERAL INFORMATION:
  APPLICANT: Pharmacia Corp.
  APPLICANT:  Gierse, James K
  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
  TITLE OF INVENTION:  EXPRESSION
  FILE REFERENCE: 1179/1/US
  CURRENT APPLICATION NUMBER: US/10/671,395
  CURRENT FILING DATE:  2003-09-25
  PRIOR APPLICATION NUMBER: 60/413,549
  PRIOR FILING DATE: 2002-09-25
  NUMBER OF SEQ ID NOS: 1809
  SOFTWARE: PatentIn version 3.2
 SEQ ID NO 1220
   LENGTH: 20
   TYPE: DNA
   ORGANISM: artificial
   FEATURE:
   OTHER INFORMATION: Human PGE2 antisense
S-10-671-395-1220

 Query Match              0.8%;  Score 16.4;  DB 1;  Length 20;
 Best Local Similarity   94.4%;  Pred. No. 2.7e+02;
 Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Y       1948 CTGGCCTCAAGTGAGCCA 1965
             ||||||||||||||| |||
b         19 CTGGCCTCAAGTGATCCA 2


ESULT 200
IS-10-098-263B-29384/c
 Sequence 29384, Application US/10098263B
 Publication No. US20030104410A1
 GENERAL INFORMATION:
  APPLICANT: Mittman, Michael
  TITLE OF INVENTION: Human Microarray
  FILE REFERENCE: 3118.1
  CURRENT APPLICATION NUMBER: US/10/098,263B
  CURRENT FILING DATE:  2003-01-08
  PRIOR APPLICATION NUMBER: 60/276,759
  PRIOR FILING DATE: 2001-03-16
  NUMBER OF SEQ ID NOS: 131066
  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
 SEQ ID NO 29384
   LENGTH: 25
   TYPE: DNA
   ORGANISM: Homo sapien
IS-10-098-263B-29384

 Query Match              0.8%;  Score 16.4;  DB 1;  Length 25;
 Best Local Similarity   94.4%;  Pred. No. 3.8e+02;
 Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         91 AAAGTCTGTTACTACTAC 108
              || |||||||||||||||
Db         20 AACGTCTGTTACTACTAC 3


RESULT 201
US-09-932-300-98/c
; Sequence 98, Application US/09932300
; Publication No. US20030032788A1
; GENERAL INFORMATION:
;  APPLICANT: GARVER, Eric
;  APPLICANT:  TU, Guang-Chou
;  APPLICANT:  ISRAEL, Yedy
;  TITLE OF INVENTION: METHODS OF INHIBITING ALCOHOL CONSUMPTION
;  FILE REFERENCE: 9855-3U2
;  CURRENT APPLICATION NUMBER: US/09/932,300
;  CURRENT FILING DATE:  2001-08-20
;  PRIOR APPLICATION NUMBER: US 60/051,705
;  PRIOR FILING DATE: 1997-07-03
;  PRIOR APPLICATION NUMBER: US 09/109,663
;  PRIOR FILING DATE: 1998-07-02
;  NUMBER OF SEQ ID NOS: 111
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 98
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: ASO-9
US-09-932-300-98

  Query Match              0.8%;  Score 16.2;  DB 1;  Length 21;
  Best Local Similarity   85.7%;  Pred. No. 3.1e+02;
  Matches   18;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1476 AGCCAAAGGGGTCAAGGAGGA 1496
              |||| |||||  |||||||||
Db         21 AGCCGAAGGGAACAAGGAGGA 1


RESULT 202
US-09-932-300-107
; Sequence 107, Application US/09932300
; Publication No. US20030032788A1
; GENERAL INFORMATION:
;  APPLICANT: GARVER, Eric
;  APPLICANT:  TU, Guang-Chou
;  APPLICANT:  ISRAEL, Yedy
;  TITLE OF INVENTION: METHODS OF INHIBITING ALCOHOL CONSUMPTION
;  FILE REFERENCE: 9855-3U2
;  CURRENT APPLICATION NUMBER: US/09/932,300
;  CURRENT FILING DATE:  2001-08-20
;  PRIOR APPLICATION NUMBER: US 60/051,705
;  PRIOR FILING DATE: 1997-07-03
;  PRIOR APPLICATION NUMBER: US 09/109,663
;  PRIOR FILING DATE: 1998-07-02
;  NUMBER OF SEQ ID NOS: 111
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 107
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Complement of
;   OTHER INFORMATION: ASO-9
US-09-932-300-107

  Query Match              0.8%;  Score 16.2;  DB 1;  Length 21;
  Best Local Similarity   85.7%;  Pred. No. 3.1e+02;
  Matches   18;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1476 AGCCAAAGGGGTCAAGGAGGA 1496
```

```
                  |||| |||||  |||||||||
Db          1 AGCCGAAGGGAACAAGGAGGA 21


RESULT 203
US-09-918-696-23
; Sequence 23, Application US/09918696
; Publication No. US20030003076A1
; GENERAL INFORMATION:
;  APPLICANT: Shen, Yuqiao
;  APPLICANT:  Nye, Julie
;  APPLICANT:  Hermiston, Terry
;  TITLE OF INVENTION: ADENOVIRUS E1B-55K SINGLE AMINO ACID MUTANT AND METHODS OF USE
;  FILE REFERENCE: ONYX1047-US
;  CURRENT APPLICATION NUMBER: US/09/918,696
;  CURRENT FILING DATE:  2001-07-30
;  PRIOR APPLICATION NUMBER: US 60/222,887
;  PRIOR FILING DATE: 2000-08-03
;  NUMBER OF SEQ ID NOS: 52
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 23
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: ONYX-063
US-09-918-696-23

  Query Match             0.8%;  Score 16.2;  DB 1;  Length 22;
  Best Local Similarity   85.7%;  Pred. No. 3.4e+02;
  Matches   18;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        949 CTGATGCTGGGAGGCGGTGGT 969
              ||| ||||||| || ||||||
Db          1 CTGCTGCTGGGCGGGGGTGGT 21


RESULT 204
US-09-918-696-24/c
; Sequence 24, Application US/09918696
; Publication No. US20030003076A1
; GENERAL INFORMATION:
;  APPLICANT: Shen, Yuqiao
;  APPLICANT:  Nye, Julie
;  APPLICANT:  Hermiston, Terry
;  TITLE OF INVENTION: ADENOVIRUS E1B-55K SINGLE AMINO ACID MUTANT AND METHODS OF USE
;  FILE REFERENCE: ONYX1047-US
;  CURRENT APPLICATION NUMBER: US/09/918,696
;  CURRENT FILING DATE:  2001-07-30
;  PRIOR APPLICATION NUMBER: US 60/222,887
;  PRIOR FILING DATE: 2000-08-03
;  NUMBER OF SEQ ID NOS: 52
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 24
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: ONYX-063; K290A MUTATION
US-09-918-696-24

  Query Match             0.8%;  Score 16.2;  DB 1;  Length 22;
  Best Local Similarity   85.7%;  Pred. No. 3.4e+02;
  Matches   18;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        949 CTGATGCTGGGAGGCGGTGGT 969
              ||| ||||||| || ||||||
Db         22 CTGCTGCTGGGCGGGGGTGGT 2


RESULT 205
US-10-017-621-5/c
; Sequence 5, Application US/10017621
; Publication No. US20030138952A1
; GENERAL INFORMATION:
;  APPLICANT: Susan M. Freier
;  APPLICANT:  Mark P. Roach
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PCTAIRE PROTEIN KINASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0350
;  CURRENT APPLICATION NUMBER: US/10/017,621
;  CURRENT FILING DATE:  2001-12-07
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 5
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: PCR Primer
US-10-017-621-5

  Query Match             0.8%;  Score 16.2;  DB 1;  Length 22;
  Best Local Similarity   85.7%;  Pred. No. 3.4e+02;
  Matches   18;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1142 AGAAGATCAAACAGCGACTGT 1162
              |||||||||||| ||  ||||
Db         21 AGAAGATCAAACGGCAGCTGT 1


RESULT 206
US-09-822-263-23/c
; Sequence 23, Application US/09822263
; Patent No. US20020036598A1
; GENERAL INFORMATION:
;  APPLICANT: Prayaga, Sudhirdas
;  APPLICANT:  Vernet, Corine
;  APPLICANT:  Shimkets, Richard A
;  APPLICANT:  Burgess, Catherine
;  APPLICANT:  Spytek, Kimberly
;  APPLICANT:  Tchernev, Velizar T
;  TITLE OF INVENTION: No. US20020036598A1el Polynucleotides and Polypeptides Encoded Th
;  FILE REFERENCE: 15966-572 CIP1
;  CURRENT APPLICATION NUMBER: US/09/822,263
;  CURRENT FILING DATE:  2001-06-15
;  PRIOR APPLICATION NUMBER: 09/672,665
;  PRIOR FILING DATE: 2000-09-28
;  PRIOR APPLICATION NUMBER: 60/156,745
;  PRIOR FILING DATE: 1999-09-30
;  PRIOR APPLICATION NUMBER: 60/158,942
;  PRIOR FILING DATE: 1999-10-06
;  PRIOR APPLICATION NUMBER: 60/159,248
;  PRIOR FILING DATE: 1999-10-13
;  PRIOR APPLICATION NUMBER: 60/169,344
;  PRIOR FILING DATE: 1999-12-06
;  PRIOR APPLICATION NUMBER: 60/215,048
;  PRIOR FILING DATE: 2000-06-29
;  NUMBER OF SEQ ID NOS: 36
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 23
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Chemically
;   OTHER INFORMATION: Synthesized
US-09-822-263-23

  Query Match             0.8%;  Score 16;  DB 1;  Length 24;
  Best Local Similarity   79.2%;  Pred. No. 4.2e+02;
  Matches   19;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       1424 AGGAGAAGAAAGAAGTCACCGAAG 1447
              |||||||||| |||||    ||||
Db         24 AGGAGAAGAAGGAAGTTGTGGAAG 1
```

```
ESULT 207
3-09-850-514-39
 Sequence 39, Application US/09850514
 Publication No. US20030044786A1
 GENERAL INFORMATION:
  APPLICANT: Rao, Sulekha
  APPLICANT:  Bloch, Will
  TITLE OF INVENTION: Methods For The Reduction Of Stutter In Microsatellite Amplificat
  FILE REFERENCE: Abi-0007
  CURRENT APPLICATION NUMBER: US/09/850,514
  CURRENT FILING DATE:  2001-05-07
  NUMBER OF SEQ ID NOS: 48
  SOFTWARE: PatentIn version 3.1
 SEQ ID NO 39
    LENGTH: 24
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Primer
S-09-850-514-39

 Query Match              0.8%;  Score 16;  DB 1;  Length 24;
 Best Local Similarity   79.2%;  Pred. No. 4.2e+02;
 Matches   19;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       1585 TCTATTTCTCTGTGTATTTATATA 1608
             ||||| | ||||| ||| ||| ||
Db          1 TCTATCTGTCTGTCTATCTATCTA 24


ESULT 208
S-09-882-263-23/c
 Sequence 23, Application US/09882263
 Publication No. US20030138926A1
 GENERAL INFORMATION:
  APPLICANT: Prayaga, Sudhirdas
  APPLICANT:  Vernet, Corine
  APPLICANT:  Shimkets, Richard A
  APPLICANT:  Burgess, Catherine
  APPLICANT:  Spytek, Kimberly
  APPLICANT:  Tchernev, Velizar T
  TITLE OF INVENTION: No. US20030138926A1el Polynucleotides and Polypeptides Encoded Th
  FILE REFERENCE: 15966-572 CIP1
  CURRENT APPLICATION NUMBER: US/09/882,263
  CURRENT FILING DATE:  2001-06-15
  PRIOR APPLICATION NUMBER: 09/672,665
  PRIOR FILING DATE: 2000-09-28
  PRIOR APPLICATION NUMBER: 60/156,745
  PRIOR FILING DATE: 1999-09-30
  PRIOR APPLICATION NUMBER: 60/158,942
  PRIOR FILING DATE: 1999-10-06
  PRIOR APPLICATION NUMBER: 60/159,248
  PRIOR FILING DATE: 1999-10-13
  PRIOR APPLICATION NUMBER: 60/169,344
  PRIOR FILING DATE: 1999-12-06
  PRIOR APPLICATION NUMBER: 60/215,048
  PRIOR FILING DATE: 2000-06-29
  NUMBER OF SEQ ID NOS: 36
  SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 23
    LENGTH: 24
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Description of Artificial Sequence:  Chemically
    OTHER INFORMATION: Synthesized
IS-09-882-263-23

 Query Match              0.8%;  Score 16;  DB 1;  Length 24;
 Best Local Similarity   79.2%;  Pred. No. 4.2e+02;
 Matches   19;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       1424 AGGAGAAGAAAGAAGTCACCGAAG 1447
                ||||||||||  |||||     ||||
Db         24 AGGAGAAGAAGGAAGTTGTGGAAG 1


RESULT 209
US-10-085-906-21
; Sequence 21, Application US/10085906
; Publication No. US20030054371A1
; GENERAL INFORMATION:
;  APPLICANT: Ying, Vincent
;  APPLICANT:  Wu, Paul
;  APPLICANT:  Gray, Gary S.
;  TITLE OF INVENTION: POLYMORPHIC ELEMENTS IN THE
;  TITLE OF INVENTION:  COSTIMULATORY RECEPTOR LOCUS AND USES THEREOF
;  FILE REFERENCE: GNN-5343CP2
;  CURRENT APPLICATION NUMBER: US/10/085,906
;  CURRENT FILING DATE:  2002-02-27
;  PRIOR APPLICATION NUMBER: US 60/126,215
;  PRIOR FILING DATE: 1999-03-25
;  PRIOR APPLICATION NUMBER: US 09/534,061
;  PRIOR FILING DATE: 2000-03-24
;  PRIOR APPLICATION NUMBER: PCT/US00/07938
;  PRIOR FILING DATE: 2000-03-24
;  NUMBER OF SEQ ID NOS: 545
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-085-906-21

  Query Match              0.8%;  Score 16;  DB 1;  Length 24;
  Best Local Similarity   79.2%;  Pred. No. 4.2e+02;
  Matches   19;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       1604 ATATAAAAATTTATTAAATATAAA 1627
              ||||| | || ||||| ||||| |
Db          1 ATATATATATATATTATATATATA 24


RESULT 210
US-10-099-382-3/c
; Sequence 3, Application US/10099382
; Publication No. US20030120035A1
; GENERAL INFORMATION:
;  APPLICANT: Gao, Xiaolian
;  APPLICANT:  Yu, Peilin
;  APPLICANT:  Pellois, Jean P.
;  APPLICANT:  Zhou, Xiaochuan
;  APPLICANT:  Zhang, Hua
;  APPLICANT:  LeProust, Eric
;  APPLICANT:  Xiang, Qin
;  TITLE OF INVENTION: Linkers and Co-Coupling Agents for Optimization of Oligonulcoetic
;  TITLE OF INVENTION:  Synthesis and Purification on Solid Support
;  FILE REFERENCE: UM-06889
;  CURRENT APPLICATION NUMBER: US/10/099,382
;  CURRENT FILING DATE:  2002-03-13
;  PRIOR APPLICATION NUMBER: 60/275,666
;  PRIOR FILING DATE: 2001-03-14
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-10-099-382-3

  Query Match              0.8%;  Score 16;  DB 1;  Length 24;
  Best Local Similarity   79.2%;  Pred. No. 4.2e+02;
  Matches   19;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;
```

```
Qy        583 GACATTGATATTCACCATGGTGAC 606
              ||||| |  | ||| ||||||||||
Db         24 GACATGGTGAGTCAACATGGTGAC 1
```

RESULT 211
US-10-466-369-11/c
; Sequence 11, Application US/10466369
; Publication No. US20040137631A1
; GENERAL INFORMATION:
; APPLICANT: Herz, Stefan
; APPLICANT: Klaus, Sebastian
; APPLICANT: Eibl, Christian
; APPLICANT: Mhlbauer, Stefan
; APPLICANT: Koop, Hans-Ulrich
; APPLICANT: Gleba, Yuri
; TITLE OF INVENTION: PROCESSES AND VECTORS FOR PLASTID TRANSFORMATION
; FILE REFERENCE: 9286.18
; CURRENT APPLICATION NUMBER: US/10/466,369
; CURRENT FILING DATE: 2003-07-10
; PRIOR APPLICATION NUMBER: PCT/EP02/00301
; PRIOR FILING DATE: 2002-01-14
; PRIOR APPLICATION NUMBER: DE 101 01 276.4
; PRIOR FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 11
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PCR Primer
US-10-466-369-11

Query Match 0.8%; Score 16; DB 1; Length 24;
Best Local Similarity 79.2%; Pred. No. 4.2e+02;
Matches 19; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

```
Qy        622 TTCTACACCACGGACCGGGTCATG 645
              ||||||| |||||||  | ||||
Db         24 TTCTACAGGACGGACCATGGCATG 1
```

RESULT 212
US-10-174-465-34/c
; Sequence 34, Application US/10174465
; Publication No. US20030232772A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF EXTRACELLULAR-SIGNAL-REGULATED KINASE-6 E
; FILE REFERENCE: PTS-0055
; CURRENT APPLICATION NUMBER: US/10/174,465
; CURRENT FILING DATE: 2002-06-17
; NUMBER OF SEQ ID NOS: 70
; SEQ ID NO 34
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-174-465-34

Query Match 0.8%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 3.4e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy       1057 GACTACTTTGAATACTTTG 1075
              |||| |||||| |||||||
Db         20 GACTCCTTTGACTACTTTG 2
```

RESULT 213
US-10-348-431-34/c
; Sequence 34, Application US/10348431
; Publication No. US20030232778A1
; GENERAL INFORMATION:
; APPLICANT: Eric G. Marcusson
; APPLICANT: C. Frank Bennett
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: EXTRACELLULAR-SIGNAL-REGULATED KINASE-6 INHIBITORS FOR INHIBITIN
; TITLE OF INVENTION: ANGIOGENESIS
; FILE REFERENCE: ISPH-0728
; CURRENT APPLICATION NUMBER: US/10/348,431
; CURRENT FILING DATE: 2003-01-17
; NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 34
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-348-431-34

Query Match 0.8%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 3.4e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy       1057 GACTACTTTGAATACTTTG 1075
              |||| |||||| |||||||
Db         20 GACTCCTTTGACTACTTTG 2
```

RESULT 214
US-10-467-008-26/c
; Sequence 26, Application US/10467008
; Publication No. US20040116366A1
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: Brett P. Monia
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PROTEIN PHOSPHATASE 2 CATALYTIC SUBUNIT I
; TITLE OF INVENTION: EXPRESSION
; FILE REFERENCE: ISPH-0746
; CURRENT APPLICATION NUMBER: US/10/467,008
; CURRENT FILING DATE: 2003-08-01
; PRIOR APPLICATION NUMBER: PCT/US02/02805
; PRIOR FILING DATE: 2002-01-31
; PRIOR APPLICATION NUMBER: US 09/780,045
; PRIOR FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 135
; SEQ ID NO 26
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-467-008-26

Query Match 0.8%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 3.4e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy       1338 GGAGGGAGAGGGGGGCCGC 1356
              |||||||||||||| || ||
Db         19 GGAGGGAGAGGGGAGCGGC 1
```

RESULT 215
US-10-418-251-30/c
; Sequence 30, Application US/10418251
; Publication No. US20040073957A1
; GENERAL INFORMATION:
; APPLICANT: TOMIZUKA, KAZUMA
; APPLICANT: YOSHIDA, HITOSHI
; APPLICANT: HANAOKA, KAZUNORI

```
  APPLICANT:  OSHIMURA, MITSUO
  APPLICANT:  ISHIDA, ISAO
  TITLE OF INVENTION: CHIMERIC ANIMAL AND METHOD FOR PRODUCING THE SAME
  FILE REFERENCE: 081356/0114
  CURRENT APPLICATION NUMBER: US/10/418,251
  CURRENT FILING DATE:  2003-04-18
  PRIOR APPLICATION NUMBER: US/09/033,936
  PRIOR FILING DATE: 1998-03-02
  PRIOR APPLICATION NUMBER: PCT/JP96/02427
  PRIOR FILING DATE: 1996-08-29
  NUMBER OF SEQ ID NOS: 74
  SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 30
    LENGTH: 22
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Description of Artificial Sequence: Primer
S-10-418-251-30

 Query Match             0.8%;  Score 15.8;  DB 1;  Length 22;
 Best Local Similarity   89.5%;  Pred. No. 4e+02;
 Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y       1459 AAGGAGGAGAAGCCAGAAG 1477
             |||||| |||||||| |||
b         20 AAGGAGTAGAAGCCAAAAG 2


ESULT 216
S-09-992-665-85/c
 Sequence 85, Application US/09992665
 Publication No. US20030092009A1
 GENERAL INFORMATION:
  APPLICANT: Kaia Palm
  TITLE OF INVENTION: PROFILING TUMOR SPECIFIC MARKERS FOR THE
  TITLE OF INVENTION:  DIAGNOSIS AND TREATMENT OF NEOPLASTIC DISEASE
  FILE REFERENCE: CEMINES.002A
  CURRENT APPLICATION NUMBER: US/09/992,665
  CURRENT FILING DATE:  2001-11-13
  PRIOR APPLICATION NUMBER: 60/249,508
  PRIOR FILING DATE: 2000-11-16
  NUMBER OF SEQ ID NOS: 380
  SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 85
   LENGTH: 23
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Probe
S-09-992-665-85

 Query Match             0.8%;  Score 15.8;  DB 1;  Length 23;
 Best Local Similarity   89.5%;  Pred. No. 4.3e+02;
 Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y       1006 GAGACAGCTGTGGCCCTGG 1024
             ||| |||||||||| |||
b         20 GAGGCAGCTGTGGCCATGG 2


ESULT 217
S-10-356-736-42/c
 Sequence 42, Application US/10356736
 Publication No. US20040053263A1
 GENERAL INFORMATION:
  APPLICANT: Abreu, Maria T.
  APPLICANT:  Taylor, Kent D.
  APPLICANT:  Rotter, Jerome I.
  APPLICANT:  Yang, Huiying
  APPLICANT:  Sugimura, Kazuhito
  APPLICANT:  Targan, Stephan R.
  TITLE OF INVENTION: Mutations in NOD2 are Associated with
  TITLE OF INVENTION:  Fibrostenosing Disease in Patients with Crohn's Disease
  FILE REFERENCE: P-CE 5480
  CURRENT APPLICATION NUMBER: US/10/356,736
  CURRENT FILING DATE:  2003-01-30
  PRIOR APPLICATION NUMBER: US 60/407,391
  PRIOR FILING DATE: 2002-08-30
  NUMBER OF SEQ ID NOS: 67
  SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 42
    LENGTH: 23
    TYPE: DNA
    ORGANISM: Homo sapiens
US-10-356-736-42

  Query Match             0.8%;  Score 15.8;  DB 1;  Length 23;
  Best Local Similarity   89.5%;  Pred. No. 4.3e+02;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1376 AAAAAGCCAAGAGAGTCAA 1394
              |||| ||||| ||||||||
Db         20 AAAAGGCCAAAAGAGTCAA 2


RESULT 218
US-10-418-251-69
 Sequence 69, Application US/10418251
 Publication No. US20040073957A1
 GENERAL INFORMATION:
  APPLICANT: TOMIZUKA, KAZUMA
  APPLICANT:  YOSHIDA, HITOSHI
  APPLICANT:  HANAOKA, KAZUNORI
  APPLICANT:  OSHIMURA, MITSUO
  APPLICANT:  ISHIDA, ISAO
  TITLE OF INVENTION: CHIMERIC ANIMAL AND METHOD FOR PRODUCING THE SAME
  FILE REFERENCE: 081356/0114
  CURRENT APPLICATION NUMBER: US/10/418,251
  CURRENT FILING DATE:  2003-04-18
  PRIOR APPLICATION NUMBER: US/09/033,936
  PRIOR FILING DATE: 1998-03-02
  PRIOR APPLICATION NUMBER: PCT/JP96/02427
  PRIOR FILING DATE: 1996-08-29
  NUMBER OF SEQ ID NOS: 74
  SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 69
   LENGTH: 24
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-418-251-69

  Query Match             0.8%;  Score 15.8;  DB 1;  Length 24;
  Best Local Similarity   89.5%;  Pred. No. 4.5e+02;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1350 GGGCCGCAAGAACTCTTCC 1368
              | || ||||||||||||||||
Db          1 GAGCTGCAAGAACTCTTCC 19


RESULT 219
US-09-848-990-19/c
 Sequence 19, Application US/09848990
 Patent No. US20020048572A1
 GENERAL INFORMATION:
  APPLICANT: Shan, Bei
  APPLICANT:  Schultz, Joshua
  APPLICANT:  Tu, Hua
  APPLICANT:  Tularik Inc.
  TITLE OF INVENTION: Treatment of Hypertriglyceridemia and Other Conditions
  TITLE OF INVENTION:  Using LXR Modulators
  FILE REFERENCE: 018781-004910US
  CURRENT APPLICATION NUMBER: US/09/848,990
```

```
;  CURRENT FILING DATE:  2001-05-03
;  PRIOR APPLICATION NUMBER: US 60/201,601
;  PRIOR FILING DATE: 2000-05-03
;  NUMBER OF SEQ ID NOS: 22
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:mouse ApoA-II
;   OTHER INFORMATION: cDNA 3' PCR primer
US-09-848-990-19

  Query Match             0.7%;  Score 15.6;  DB 1;  Length 22;
  Best Local Similarity   81.8%;  Pred. No. 4.3e+02;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1976 CCTGCCCTCTGTCTGTCTTCTC 1997
              ||| || |||| |||| |||||
Db         22 CCTACCTTCTGCCTGTTTTCTC 1


RESULT 220
US-09-991-053-70/c
; Sequence 70, Application US/09991053
; Publication No. US20030003532A1
; GENERAL INFORMATION:
;  APPLICANT: Shimkets, Richard A.
;  TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES ENCODING HUMAN SLIT-,
;  TITLE OF INVENTION:  MEGF-, AND ROUNDABOUT-LIKE POLYPEPTIDES
;  FILE REFERENCE: 15966-540 CON S-10
;  CURRENT APPLICATION NUMBER: US/09/991,053
;  CURRENT FILING DATE:  2002-05-23
;  PRIOR APPLICATION NUMBER: USSN 60/123,667
;  PRIOR FILING DATE: 1999-03-09
;  PRIOR APPLICATION NUMBER: 09/520,781
;  PRIOR FILING DATE: 2000-03-08
;  NUMBER OF SEQ ID NOS: 81
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 70
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-991-053-70

  Query Match             0.7%;  Score 15.6;  DB 1;  Length 22;
  Best Local Similarity   81.8%;  Pred. No. 4.3e+02;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         74 CGCAGGGCACCCGGAGGAAAGT 95
              | | ||||| | ||||||||||
Db         22 CCCGGGGCATCAGGAGGAAAGT 1


RESULT 221
US-09-957-187-70/c
; Sequence 70, Application US/09957187
; Publication No. US20030054514A1
; GENERAL INFORMATION:
;  APPLICANT: Shimkets, Richard A.
;  APPLICANT:  LaRochelle, William
;  TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES AND PROTEINS ENCODED THEREBY
;  FILE REFERENCE: 15966-540 CIP
;  CURRENT APPLICATION NUMBER: US/09/957,187
;  CURRENT FILING DATE:  2000-09-19
;  PRIOR APPLICATION NUMBER: 60/123,667
;  PRIOR FILING DATE: 1999-03-09
;  PRIOR APPLICATION NUMBER: 09/520,781
;  PRIOR FILING DATE: 2000-03-03
;  PRIOR APPLICATION NUMBER: 60/234,082
;  PRIOR FILING DATE: 2000-09-20
;  PRIOR APPLICATION NUMBER: 60/233,798
;  PRIOR FILING DATE: 2000-09-19
;  PRIOR APPLICATION NUMBER: 60/174,485
;  PRIOR FILING DATE: 2000-01-04
;  NUMBER OF SEQ ID NOS: 85
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 70
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-957-187-70

  Query Match             0.7%;  Score 15.6;  DB 1;  Length 22;
  Best Local Similarity   81.8%;  Pred. No. 4.3e+02;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         74 CGCAGGGCACCCGGAGGAAAGT 95
              | | ||||| | ||||||||||
Db         22 CCCGGGGCATCAGGAGGAAAGT 1


RESULT 222
US-10-661-905-3
; Sequence 3, Application US/10661905
; Publication No. US20040053977A1
; GENERAL INFORMATION:
;  APPLICANT: The Procter & Gamble Company
;  APPLICANT:  Almstead, Ji-In
;  APPLICANT:  Jones, David
;  APPLICANT:  Kawamoto, Richard
;  APPLICANT:  Izzo, Nicholas
;  TITLE OF INVENTION: Medicinal Uses of Hydrazones
;  FILE REFERENCE: 8543
;  CURRENT APPLICATION NUMBER: US/10/661,905
;  CURRENT FILING DATE:  2003-09-12
;  NUMBER OF SEQ ID NOS: 24
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-10-661-905-3

  Query Match             0.7%;  Score 15.6;  DB 1;  Length 22;
  Best Local Similarity   81.8%;  Pred. No. 4.3e+02;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         482 ACCATGCAAAGAAGTCCGAGGC 503
               ||||||| |||  |||| ||||
Db           1 ACCATGCCAAGTGGTCCCAGGC 22


RESULT 223
US-10-134-873-3
; Sequence 3, Application US/10134873
; Publication No. US20030083351A1
; GENERAL INFORMATION:
;  APPLICANT: The Procter & Gamble Company
;  APPLICANT:  Almstead, Ji-In
;  APPLICANT:  Izzo, Nicholas
;  APPLICANT:  Jones, David
;  APPLICANT:  Kawamoto, Richard
;  TITLE OF INVENTION: Medicinal Uses of Dehydrapyrazoles
;  FILE REFERENCE: 8544P
;  CURRENT APPLICATION NUMBER: US/10/134,873
;  CURRENT FILING DATE:  2002-04-29
;  NUMBER OF SEQ ID NOS: 24
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
;   LENGTH: 22
```

```
   TYPE: DNA
   ORGANISM: Homo sapien
3-10-134-873-3

 Query Match              0.7%;  Score 15.6;  DB 1;  Length 22;
 Best Local Similarity   81.8%;  Pred. No. 4.3e+02;
 Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        482 ACCATGCAAAGAAGTCCGAGGC 503
              ||||||| |||  |||| ||||
Db          1 ACCATGCCAAGTGGTCCCAGGC 22


ESULT 224
S-10-134-890-3
 Sequence 3, Application US/10134890
 Publication No. US20030092716A1
 GENERAL INFORMATION:
  APPLICANT: The Procter & Gamble Company
  APPLICANT:  Almstead, Ji-In
  APPLICANT:  Jones, David
  APPLICANT:  Kawamoto, Richard
  APPLICANT:  Izzo, Nicholas
  TITLE OF INVENTION: Medicinal Uses of Hydrazones
  FILE REFERENCE: 8543P
  CURRENT APPLICATION NUMBER: US/10/134,890
  CURRENT FILING DATE:  2002-04-26
  NUMBER OF SEQ ID NOS: 24
  SOFTWARE: PatentIn version 3.1
 SEQ ID NO 3
   LENGTH: 22
   TYPE: DNA
   ORGANISM: Homo sapien
S-10-134-890-3

 Query Match              0.7%;  Score 15.6;  DB 1;  Length 22;
 Best Local Similarity   81.8%;  Pred. No. 4.3e+02;
 Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

)y        482 ACCATGCAAAGAAGTCCGAGGC 503
              ||||||| |||  |||| ||||
)b          1 ACCATGCCAAGTGGTCCCAGGC 22


:ESULT 225
IS-10-178-325-197/c
: Sequence 197, Application US/10178325
: Publication No. US20030199467A1
: GENERAL INFORMATION:
  APPLICANT: Roberts, M. Luisa
  APPLICANT:  Cowsert, Lex M.
  TITLE OF INVENTION: Antisense Modulation of Human Rho Family Gene
  TITLE OF INVENTION:  Expression
  FILE REFERENCE: ISPH-0404
  CURRENT APPLICATION NUMBER: US/10/178,325
  CURRENT FILING DATE:  2002-06-21
  PRIOR APPLICATION NUMBER: US/09/387,341
  PRIOR FILING DATE: 1999-08-31
  PRIOR APPLICATION NUMBER: 09/156,424
  PRIOR FILING DATE: 1998-09-18
  PRIOR APPLICATION NUMBER: 09/156,979
  PRIOR FILING DATE: 1998-09-18
  PRIOR APPLICATION NUMBER: 09/156,807
  PRIOR FILING DATE: 1998-09-18
  PRIOR APPLICATION NUMBER: 09/161,015
  PRIOR FILING DATE: 1998-09-25
  NUMBER OF SEQ ID NOS: 233
  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 197
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Synthetic
US-10-178-325-197

  Query Match              0.7%;  Score 15.6;  DB 1;  Length 22;
  Best Local Similarity   81.8%;  Pred. No. 4.3e+02;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1450 GAGAAAACCAAGGAGGAGAAGC 1471
              ||||||   |||||| ||||||
Db         22 GAGAAACTGAAGGAGAAGAAGC 1


RESULT 226
US-10-366-548-7
; Sequence 7, Application US/10366548
; Publication No. US20040156837A1
; GENERAL INFORMATION:
;  APPLICANT: Apicella, M.A.
;  APPLICANT:  Jones, P.
;  APPLICANT:  Gibson, B.W.
;  APPLICANT:  Phillips, N. J.
;  TITLE OF INVENTION: Influenzae sialyltransferases and methods of use thereof
;  FILE REFERENCE: 875.063US1
;  CURRENT APPLICATION NUMBER: US/10/366,548
;  CURRENT FILING DATE:  2003-02-12
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 7
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Haemophilus influenzae
US-10-366-548-7

  Query Match              0.7%;  Score 15.6;  DB 1;  Length 22;
  Best Local Similarity   81.8%;  Pred. No. 4.3e+02;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2041 GATACTATTTTCATTTTTGTGA 2062
              |||  |||||| ||||||| |
Db          1 GATGTTATTTTTATTTTTGTTA 22


RESULT 227
US-09-895-040A-177/c
; Sequence 177, Application US/09895040A
; Patent No. US20020123474A1
; GENERAL INFORMATION:
;  APPLICANT: Shannon, Mark
;  APPLICANT:  Ji, Yonggang
;  TITLE OF INVENTION: HUMAN GTP-RHO BINDING PROTEIN 2
;  FILE REFERENCE: AEOMICA-11
;  CURRENT APPLICATION NUMBER: US/09/895,040A
;  CURRENT FILING DATE:  2001-06-29
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  NUMBER OF SEQ ID NOS: 180
;  SOFTWARE: Aeomica Sequence Listing Engine
```

```
; SEQ ID NO 177
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-895-040A-177

  Query Match             0.7%;  Score 15.6;  DB 1;  Length 24;
  Best Local Similarity   81.8%;  Pred. No. 4.9e+02;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        696 ACGGGATATCGGGGCTGGCAAA 717
              | ||||| ||| |||| ||||
Db         24 ATGGGATGTCGTGGCTGCCAAA 3


RESULT 228
US-09-785-548-26/c
; Sequence 26, Application US/09785548
; Patent No. US20020155577A1
; GENERAL INFORMATION:
;  APPLICANT: AVENTIS PHARMACEUTICALS, INC.
;  TITLE OF INVENTION: COMPOSITIONS THAT CAN BE USED FOR REGULATING THE ACTIVITY OF PARK
;  FILE REFERENCE: ST00005
;  CURRENT APPLICATION NUMBER: US/09/785,548
;  CURRENT FILING DATE:  2001-02-20
;  NUMBER OF SEQ ID NOS: 46
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 26
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Description of the artificial sequence:oligonucleotide
US-09-785-548-26

  Query Match             0.7%;  Score 15.6;  DB 1;  Length 24;
  Best Local Similarity   81.8%;  Pred. No. 4.9e+02;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1217 CTGAGGACGCCATCCCTGAGGA 1238
              |||| | |||||  ||||||||
Db         24 CTGAAGTCGCCAGTCCTGAGGA 3


RESULT 229
US-09-785-548-35/c
; Sequence 35, Application US/09785548
; Patent No. US20020155577A1
; GENERAL INFORMATION:
;  APPLICANT: AVENTIS PHARMACEUTICALS, INC.
;  TITLE OF INVENTION: COMPOSITIONS THAT CAN BE USED FOR REGULATING THE ACTIVITY OF PARK
;  FILE REFERENCE: ST00005
;  CURRENT APPLICATION NUMBER: US/09/785,548
;  CURRENT FILING DATE:  2001-02-20
;  NUMBER OF SEQ ID NOS: 46
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 35
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Description of the artificial sequence:oligonucleotide
US-09-785-548-35

  Query Match             0.7%;  Score 15.6;  DB 1;  Length 24;
  Best Local Similarity   81.8%;  Pred. No. 4.9e+02;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1217 CTGAGGACGCCATCCCTGAGGA 1238
              |||| | |||||  ||||||||
Db         24 CTGAAGTCGCCAGTCCTGAGGA 3


RESULT 230
US-09-940-185-3038/c
; Sequence 3038, Application US/09940185
; Publication No. US20030096239A1
; GENERAL INFORMATION:
;  APPLICANT: Gunderson, Kevin
;  APPLICANT:  Chee, Mark
;  TITLE OF INVENTION: Probes and Decoder Oligonucleotides
;  FILE REFERENCE: A-69605-1
;  CURRENT APPLICATION NUMBER: US/09/940,185
;  CURRENT FILING DATE:  2001-08-27
;  PRIOR APPLICATION NUMBER: US 60/227,948
;  PRIOR FILING DATE: 2000-08-25
;  PRIOR APPLICATION NUMBER: US 60/228,854
;  PRIOR FILING DATE: 2000-08-29
;  NUMBER OF SEQ ID NOS: 4768
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3038
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Computer Generated Probe Sequence.
US-09-940-185-3038

  Query Match             0.7%;  Score 15.6;  DB 1;  Length 24;
  Best Local Similarity   81.8%;  Pred. No. 4.9e+02;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        626 ACACCACGGACCGGGTCATGAC 647
              || |||| || ||||||||| ||
Db         23 ACGCCACAGAGCGGGTCATAAC 2


RESULT 231
US-10-109-349A-55
; Sequence 55, Application US/10109349A
; Publication No. US20030186246A1
; GENERAL INFORMATION:
;  APPLICANT: Medical College of Ohio
;  APPLICANT:  Willey, James C.
;  APPLICANT:  Crawford, Erin L.
;  TITLE OF INVENTION: MULTIPLEX STANDARDIZED REVERSE TRANSCRIPTASE-POLYMERASE CHAIN RE
;  TITLE OF INVENTION:  METHOD FOR ASSESSMENT OF GENE EXPRESSION IN SMALL BIOLOGICAL SA
;  FILE REFERENCE: 01154/2001-203
;  CURRENT APPLICATION NUMBER: US/10/109,349A
;  CURRENT FILING DATE:  2002-06-12
;  NUMBER OF SEQ ID NOS: 282
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 55
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-109-349A-55

  Query Match             0.7%;  Score 15.6;  DB 1;  Length 24;
  Best Local Similarity   81.8%;  Pred. No. 4.9e+02;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1130 ATGAGTACCTGGAGAAGATCAA 1151
              | ||| ||| |||||| |||||
Db          3 AAGAGGACCAGGAGAATATCAA 24


RESULT 232
US-10-349-143-6129/c
; Sequence 6129, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
```

```
  FILE REFERENCE: GENSET.020CP1
  CURRENT APPLICATION NUMBER: US/10/349,143
  CURRENT FILING DATE:  2003-01-21
  PRIOR APPLICATION NUMBER: US/09/422,978
  PRIOR FILING DATE: 1999-10-20
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
  NUMBER OF SEQ ID NOS: 11796
 SEQ ID NO 6129
   LENGTH: 19
   TYPE: DNA
   ORGANISM: Homo Sapiens
   FEATURE:
   NAME/KEY: primer_bind
   LOCATION: 1..19
   OTHER INFORMATION: upstream amplification primer 99-9204 for SEQ 2195,
S-10-349-143-6129

 Query Match             0.7%;  Score 15.4;  DB 1;  Length 19;
 Best Local Similarity   94.1%;  Pred. No. 3.7e+02;
 Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1987 TCTGTCTTCTCCTAATT 2003
             ||||||||||||||| |
Db         18 TCTGTCTTCTCCTAAAT 2


ESULT 233
S-09-967-464-59
 Sequence 59, Application US/09967464
 Publication No. US20030138453A1
 GENERAL INFORMATION:
  APPLICANT: O'Hagan, Derek
  APPLICANT:  Otten, Gillis
  APPLICANT:  Donnelly, John J.
  APPLICANT:  Polo, John M.
  APPLICANT:  Barnett, Susan
  APPLICANT:  Singh, Mamohan
  APPLICANT:  Ulmer, Jeffrey
  APPLICANT:  Dubensky, Jr., Thomas W.
  TITLE OF INVENTION: MICROPARTICLES FOR DELIVERY OF HETEROLOGOUS NUCLEIC ACIDS
  FILE REFERENCE: PP16269.004
  CURRENT APPLICATION NUMBER: US/09/967,464
  CURRENT FILING DATE:  2002-04-11
  PRIOR APPLICATION NUMBER: 60/236,105
  PRIOR FILING DATE: 2000-09-28
  PRIOR APPLICATION NUMBER: 60/315,905
  PRIOR FILING DATE: 2001-08-30
  NUMBER OF SEQ ID NOS: 68
  SOFTWARE: PatentIn version 3.1
 SEQ ID NO 59
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Sindbis virus
/S-09-967-464-59

 Query Match             0.7%;  Score 15.4;  DB 1;  Length 20;
 Best Local Similarity   94.1%;  Pred. No. 4e+02;
 Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        672 GTACTTCCCAGGAACTG 688
              |||||||| ||||||||
Db          4 GTACTTCCGAGGAACTG 20


RESULT 234
/S-10-173-192-39/c
; Sequence 39, Application US/10173192
; Publication No. US20030236204A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/173,192
;  CURRENT FILING DATE:  2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 39
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-173-192-39

  Query Match             0.7%;  Score 15.4;  DB 1;  Length 20;
  Best Local Similarity   94.1%;  Pred. No. 4e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1111 ATGACTAACCAGAACAC 1127
              ||||| ||||||||||
Db         20 ATGACAAACCAGAACAC 4


RESULT 235
US-10-173-192-64
; Sequence 64, Application US/10173192
; Publication No. US20030236204A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/173,192
;  CURRENT FILING DATE:  2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 64
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-173-192-64

  Query Match             0.7%;  Score 15.4;  DB 1;  Length 20;
  Best Local Similarity   94.1%;  Pred. No. 4e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1111 ATGACTAACCAGAACAC 1127
              ||||| ||||||||||
Db          1 ATGACAAACCAGAACAC 17


RESULT 236
US-10-188-777-46/c
; Sequence 46, Application US/10188777
; Publication No. US20040006220A1
; GENERAL INFORMATION:
;  APPLICANT: Sanjay Bhanot
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF INSULIN-LIKE GROWTH FACTOR 2 EXPRESSION
;  FILE REFERENCE: RTS-0358
;  CURRENT APPLICATION NUMBER: US/10/188,777
;  CURRENT FILING DATE:  2002-07-02
;  NUMBER OF SEQ ID NOS: 140
; SEQ ID NO 46
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-188-777-46
```

```
  Query Match             0.7%;  Score 15.4;  DB 1;  Length 20;
  Best Local Similarity   94.1%;  Pred. No. 4e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1099 AGTCCTTCCAATATGAC 1115
              ||| ||||||||||||||
Db         20 AGTTCTTCCAATATGAC 4


RESULT 237
US-10-188-777-107
; Sequence 107, Application US/10188777
; Publication No. US20040006220A1
; GENERAL INFORMATION:
;  APPLICANT: Sanjay Bhanot
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF INSULIN-LIKE GROWTH FACTOR 2 EXPRESSION
;  FILE REFERENCE: RTS-0358
;  CURRENT APPLICATION NUMBER: US/10/188,777
;  CURRENT FILING DATE:  2002-07-02
;  NUMBER OF SEQ ID NOS: 140
; SEQ ID NO 107
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-188-777-107

  Query Match             0.7%;  Score 15.4;  DB 1;  Length 20;
  Best Local Similarity   94.1%;  Pred. No. 4e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1099 AGTCCTTCCAATATGAC 1115
              ||| ||||||||||||||
Db          1 AGTTCTTCCAATATGAC 17


RESULT 238
US-10-653-528-39/c
; Sequence 39, Application US/10653528
; Publication No. US20040077578A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/653,528
;  CURRENT FILING DATE:  2003-09-02
;  PRIOR APPLICATION NUMBER: US/10/173,192
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 39
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-653-528-39

  Query Match             0.7%;  Score 15.4;  DB 1;  Length 20;
  Best Local Similarity   94.1%;  Pred. No. 4e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1111 ATGACTAACCAGAACAC 1127
              ||||| ||||||||||
Db         20 ATGACAAACCAGAACAC 4


RESULT 239
US-10-653-528-64
; Sequence 64, Application US/10653528
; Publication No. US20040077578A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/653,528
;  CURRENT FILING DATE:  2003-09-02
;  PRIOR APPLICATION NUMBER: US/10/173,192
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 64
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-653-528-64

  Query Match             0.7%;  Score 15.4;  DB 1;  Length 20;
  Best Local Similarity   94.1%;  Pred. No. 4e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1111 ATGACTAACCAGAACAC 1127
              ||||| ||||||||||
Db          1 ATGACAAACCAGAACAC 17


RESULT 240
US-10-301-832-49
; Sequence 49, Application US/10301832
; Publication No. US20040102390A1
; GENERAL INFORMATION:
;  APPLICANT: Susan M. Freier
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF NOTCH3 EXPRESSION
;  FILE REFERENCE: RTS-0414
;  CURRENT APPLICATION NUMBER: US/10/301,832
;  CURRENT FILING DATE:  2002-11-21
;  NUMBER OF SEQ ID NOS: 155
; SEQ ID NO 49
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-301-832-49

  Query Match             0.7%;  Score 15.4;  DB 1;  Length 20;
  Best Local Similarity   94.1%;  Pred. No. 4e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        563 ACCAGAGGGTGCTGTAC 579
              ||||||||||||||| |
Db          2 ACCAGAGGGTGCTGTGC 18


RESULT 241
US-10-301-832-125/c
; Sequence 125, Application US/10301832
; Publication No. US20040102390A1
; GENERAL INFORMATION:
;  APPLICANT: Susan M. Freier
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF NOTCH3 EXPRESSION
;  FILE REFERENCE: RTS-0414
;  CURRENT APPLICATION NUMBER: US/10/301,832
;  CURRENT FILING DATE:  2002-11-21
;  NUMBER OF SEQ ID NOS: 155
; SEQ ID NO 125
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-301-832-125
```

```
 Query Match             0.7%;  Score 15.4;  DB 1;  Length 20;
 Best Local Similarity   94.1%;  Pred. No. 4e+02;
 Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y        563 ACCAGAGGGTGCTGTAC 579
             ||||||||||||||| |
b         19 ACCAGAGGGTGCTGTGC 3


ESULT 242
S-10-302-571-26/c
 Sequence 26, Application US/10302571
 Publication No. US20040102393A1
 GENERAL INFORMATION:
  APPLICANT: C. Frank Bennett
  APPLICANT:  Nicholas M. Dean
  APPLICANT:  Kenneth W. Dobie
  TITLE OF INVENTION: MODULATION OF HEAT SHOCK PROTEIN 90-ALPHA EXPRESSION
  FILE REFERENCE: HTS-0124
  CURRENT APPLICATION NUMBER: US/10/302,571
  CURRENT FILING DATE:  2003-04-30
  NUMBER OF SEQ ID NOS: 77
 SEQ ID NO 26
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
S-10-302-571-26

 Query Match             0.7%;  Score 15.4;  DB 1;  Length 20;
 Best Local Similarity   94.1%;  Pred. No. 4e+02;
 Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y       1397 CAGAGGATGAAAAAGAG 1413
             |||||||||||| |||||
b         17 CAGAGGATGAAGAAGAG 1


ESULT 243
S-10-303-325-70/c
 Sequence 70, Application US/10303325
 Publication No. US20040102395A1
 GENERAL INFORMATION:
  APPLICANT: C. Frank Bennett
  APPLICANT:  Kenneth W. Dobie
  TITLE OF INVENTION: MODULATION OF IAP-LIKE EXPRESSION
  FILE REFERENCE: RTS-0434
  CURRENT APPLICATION NUMBER: US/10/303,325
  CURRENT FILING DATE:  2002-11-22
  NUMBER OF SEQ ID NOS: 156
 SEQ ID NO 70
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
S-10-303-325-70

 Query Match             0.7%;  Score 15.4;  DB 1;  Length 20;
 Best Local Similarity   94.1%;  Pred. No. 4e+02;
 Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y        813 GATGTTCCAGCCTAGTG 829
             |||||||||||||| |||
b         19 GATGTTCCAGCCTCGTG 3


ESULT 244
S-10-303-325-139
 Sequence 139, Application US/10303325
 Publication No. US20040102395A1
 GENERAL INFORMATION:
 APPLICANT: C. Frank Bennett
 APPLICANT:  Kenneth W. Dobie
 TITLE OF INVENTION: MODULATION OF IAP-LIKE EXPRESSION
 FILE REFERENCE: RTS-0434
 CURRENT APPLICATION NUMBER: US/10/303,325
 CURRENT FILING DATE:  2002-11-22
 NUMBER OF SEQ ID NOS: 156
 SEQ ID NO 139
   LENGTH: 20
   TYPE: DNA
   ORGANISM: H. sapiens
   FEATURE:
US-10-303-325-139

  Query Match             0.7%;  Score 15.4;  DB 1;  Length 20;
  Best Local Similarity   94.1%;  Pred. No. 4e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        813 GATGTTCCAGCCTAGTG 829
              |||||||||||||| |||
Db          2 GATGTTCCAGCCTCGTG 18


RESULT 245
US-10-671-395-511
 Sequence 511, Application US/10671395
 Publication No. US20040132063A1
 GENERAL INFORMATION:
  APPLICANT: Pharmacia Corp.
  APPLICANT:  Gierse, James K
  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
  TITLE OF INVENTION:  EXPRESSION
  FILE REFERENCE: 1179/1/US
  CURRENT APPLICATION NUMBER: US/10/671,395
  CURRENT FILING DATE:  2003-09-25
  PRIOR APPLICATION NUMBER: 60/413,549
  PRIOR FILING DATE: 2002-09-25
  NUMBER OF SEQ ID NOS: 1809
  SOFTWARE: PatentIn version 3.2
 SEQ ID NO 511
   LENGTH: 20
   TYPE: DNA
   ORGANISM: artificial
   FEATURE:
   OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-511

  Query Match             0.7%;  Score 15.4;  DB 1;  Length 20;
  Best Local Similarity   94.1%;  Pred. No. 4e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        704 TCGGGGCTGGCAAAGGC 720
              |||||| ||||||||||
Db          4 TCGGGGTTGGCAAAGGC 20


RESULT 246
US-10-671-395-590
 Sequence 590, Application US/10671395
 Publication No. US20040132063A1
 GENERAL INFORMATION:
  APPLICANT: Pharmacia Corp.
  APPLICANT:  Gierse, James K
  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
  TITLE OF INVENTION:  EXPRESSION
  FILE REFERENCE: 1179/1/US
  CURRENT APPLICATION NUMBER: US/10/671,395
  CURRENT FILING DATE:  2003-09-25
  PRIOR APPLICATION NUMBER: 60/413,549
  PRIOR FILING DATE: 2002-09-25
  NUMBER OF SEQ ID NOS: 1809
  SOFTWARE: PatentIn version 3.2
 SEQ ID NO 590
```

```
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-590

  Query Match             0.7%;  Score 15.4;  DB 1;  Length 20;
  Best Local Similarity   94.1%;  Pred. No. 4e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        704 TCGGGGCTGGCAAAGGC 720
              ||||||  ||||||||||
Db          1 TCGGGGTTGGCAAAGGC 17


RESULT 247
US-10-671-395-855
; Sequence 855, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Gierse, James K
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: 1179/1/US
;  CURRENT APPLICATION NUMBER: US/10/671,395
;  CURRENT FILING DATE:  2003-09-25
;  PRIOR APPLICATION NUMBER: 60/413,549
;  PRIOR FILING DATE: 2002-09-25
;  NUMBER OF SEQ ID NOS: 1809
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 855
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-855

  Query Match             0.7%;  Score 15.4;  DB 1;  Length 20;
  Best Local Similarity   94.1%;  Pred. No. 4e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        704 TCGGGGCTGGCAAAGGC 720
              ||||||  ||||||||||
Db          2 TCGGGGTTGGCAAAGGC 18


RESULT 248
US-10-671-395-970
; Sequence 970, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Gierse, James K
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: 1179/1/US
;  CURRENT APPLICATION NUMBER: US/10/671,395
;  CURRENT FILING DATE:  2003-09-25
;  PRIOR APPLICATION NUMBER: 60/413,549
;  PRIOR FILING DATE: 2002-09-25
;  NUMBER OF SEQ ID NOS: 1809
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 970
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-970

  Query Match             0.7%;  Score 15.4;  DB 1;  Length 20;
  Best Local Similarity   94.1%;  Pred. No. 4e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        704 TCGGGGCTGGCAAAGGC 720
              ||||||  ||||||||||
Db          3 TCGGGGTTGGCAAAGGC 19


RESULT 249
US-10-671-395-1183/c
; Sequence 1183, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Gierse, James K
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: 1179/1/US
;  CURRENT APPLICATION NUMBER: US/10/671,395
;  CURRENT FILING DATE:  2003-09-25
;  PRIOR APPLICATION NUMBER: 60/413,549
;  PRIOR FILING DATE: 2002-09-25
;  NUMBER OF SEQ ID NOS: 1809
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1183
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-1183

  Query Match             0.7%;  Score 15.4;  DB 1;  Length 20;
  Best Local Similarity   94.1%;  Pred. No. 4e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1948 CTGGCCTCAAGTGAGCC 1964
              |||||||||||||| ||
Db         17 CTGGCCTCAAGTGATCC 1


RESULT 250
US-10-671-395-1311/c
; Sequence 1311, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Gierse, James K
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: 1179/1/US
;  CURRENT APPLICATION NUMBER: US/10/671,395
;  CURRENT FILING DATE:  2003-09-25
;  PRIOR APPLICATION NUMBER: 60/413,549
;  PRIOR FILING DATE: 2002-09-25
;  NUMBER OF SEQ ID NOS: 1809
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1311
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-1311

  Query Match             0.7%;  Score 15.4;  DB 1;  Length 20;
  Best Local Similarity   94.1%;  Pred. No. 4e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1949 TGGCCTCAAGTGAGCCA 1965
              |||||||||||||| |||
Db         20 TGGCCTCAAGTGATCCA 4
```

```
ESULT 251
S-10-745-377-239
 Sequence 239, Application US/10745377
 Publication No. US20040137423A1
 GENERAL INFORMATION:
  APPLICANT: Hayden, Michael R.
  APPLICANT:  Pimstone, Simon
  APPLICANT:  Brooks-Wilson, Angela R.
  APPLICANT:  Clee, Susanne  M.
  TITLE OF INVENTION: Compositions and Methods for Modulating
  TITLE OF INVENTION:  HDL Cholesterol and Triglyceride Levels
  FILE REFERENCE: 760050-109
  CURRENT APPLICATION NUMBER: US/10/745,377
  CURRENT FILING DATE:  2003-12-23
  PRIOR APPLICATION NUMBER: 09/654,323
  PRIOR FILING DATE: 2000-09-01
  PRIOR APPLICATION NUMBER: US 60/124,702
  PRIOR FILING DATE: 1999-03-15
  PRIOR APPLICATION NUMBER: US 60/138,048
  PRIOR FILING DATE: 1999-06-08
  PRIOR APPLICATION NUMBER: US 60/139,600
  PRIOR FILING DATE: 1999-06-17
  PRIOR APPLICATION NUMBER: US 60/151,977
  PRIOR FILING DATE: 1999-09-01
  PRIOR APPLICATION NUMBER: US 09/526,193
  PRIOR FILING DATE: 2000-03-15
  PRIOR APPLICATION NUMBER: US 60/213,958
  PRIOR FILING DATE: 2000-06-23
  NUMBER OF SEQ ID NOS: 256
  SOFTWARE: Word for Windows Version 6.0 (ASCII Text)
 SEQ ID NO 239
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Synthetic Primer
S-10-745-377-239

  Query Match             0.7%;  Score 15.4;  DB 1;  Length 20;
  Best Local Similarity   94.1%;  Pred. No. 4e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y       1529 CTGGCTTCCTGCTGAGT 1545
             ||||||| |||||||||
b          1 CTGGCTTTCTGCTGAGT 17


ESULT 252
S-09-728-574-48/c
 Sequence 48, Application US/09728574
 Patent No. US20020137036A1
 GENERAL INFORMATION:
  APPLICANT: Stratagene
  TITLE OF INVENTION: Methods for Detection of a Target Nucleic Acid By Capture
  FILE REFERENCE: 25436/1660
  CURRENT APPLICATION NUMBER: US/09/728,574
  CURRENT FILING DATE:  2000-11-30
  PRIOR APPLICATION NUMBER: US 09/728574
  PRIOR FILING DATE: 2000-11-30
  NUMBER OF SEQ ID NOS: 49
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 48
   LENGTH: 23
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: synthetic
   NAME/KEY: primer upstream
   LOCATION: (1)..(23)
S-09-728-574-48

  Query Match             0.7%;  Score 15.4;  DB 1;  Length 23;
  Best Local Similarity   94.1%;  Pred. No. 5e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        761 ATGACGAGTCCTATGAG 777
              |||||||||| ||||||
Db         23 ATGACGAGTCTTATGAG 7


RESULT 253
US-10-005-956-1201
; Sequence 1201, Application US/10005956
; Publication No. US20030113726A1
; GENERAL INFORMATION:
;  APPLICANT: Bristol-Myers Squibb Company
;  TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
;  FILE REFERENCE: D0053NP
;  CURRENT APPLICATION NUMBER: US/10/005,956
;  CURRENT FILING DATE:  2001-12-03
;  PRIOR APPLICATION NUMBER: 60/251,015
;  PRIOR FILING DATE: 2000-12-04
;  PRIOR APPLICATION NUMBER: 60/263,678
;  PRIOR FILING DATE: 2001-01-23
;  PRIOR APPLICATION NUMBER: 60/273,037
;  PRIOR FILING DATE: 2001-03-02
;  NUMBER OF SEQ ID NOS: 1579
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1201
;   LENGTH: 23
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-005-956-1201

  Query Match             0.7%;  Score 15.4;  DB 1;  Length 23;
  Best Local Similarity   94.1%;  Pred. No. 5e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1401 GGATGAAAAAGAGAAAG 1417
              ||||||||||||| |||
Db          5 GGATGAAAAAGAGGAAG 21


RESULT 254
US-10-196-842-15/c
; Sequence 15, Application US/10196842
; Publication No. US20030148310A1
; GENERAL INFORMATION:
;  APPLICANT: Sorge, Joseph
;  TITLE OF INVENTION: Methods for Detection of a Nucleic Acid Using Multi-Subunit
;  TITLE OF INVENTION:  Probes
;  FILE REFERENCE: 25436/1682
;  CURRENT APPLICATION NUMBER: US/10/196,842
;  CURRENT FILING DATE:  2003-03-04
;  PRIOR APPLICATION NUMBER: 60/306,090
;  PRIOR FILING DATE: 2001-07-17
;  PRIOR APPLICATION NUMBER: 60/307,238
;  PRIOR FILING DATE: 2001-07-23
;  PRIOR APPLICATION NUMBER: 60/313,921
;  PRIOR FILING DATE: 2001-08-21
;  NUMBER OF SEQ ID NOS: 20
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 15
;   LENGTH: 23
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Upstream primer
US-10-196-842-15

  Query Match             0.7%;  Score 15.4;  DB 1;  Length 23;
  Best Local Similarity   94.1%;  Pred. No. 5e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;
```

```
Qy        761 ATGACGAGTCCTATGAG 777
              ||||||||||| ||||||
Db         23 ATGACGAGTCTTATGAG 7


RESULT 255
US-10-349-143-5835/c
; Sequence 5835, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 5835
;   LENGTH: 23
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..23
;   OTHER INFORMATION: upstream amplification primer 99-72 for SEQ 1901,
US-10-349-143-5835

  Query Match             0.7%;  Score 15.4;  DB 1;  Length 23;
  Best Local Similarity   94.1%;  Pred. No. 5e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1754 GGTGAAAGGGATACTTT 1770
              ||||||||| |||||||
Db         17 GGTGAAAGGAATACTTT 1


RESULT 256
US-09-205-658-4/c
; Sequence 4, Application US/09205658
; Patent No. US20010029617A1
; GENERAL INFORMATION:
;  APPLICANT: Ruvkun, Gary
;  APPLICANT: Ogg, Scott
;  TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC TOOLS FOR
;  TITLE OF INVENTION: IMPAIRED GLUCOSE TOLERANCE CONDITIONS
;  FILE REFERENCE: 00786/351004
;  CURRENT APPLICATION NUMBER: US/09/205,658
;  CURRENT FILING DATE: 1998-12-03
;  EARLIER APPLICATION NUMBER: 08/857,076
;  EARLIER FILING DATE: 1997-05-15
;  EARLIER APPLICATION NUMBER: 08/888,534
;  EARLIER FILING DATE: 1997-07-07
;  EARLIER APPLICATION NUMBER: US98/10080
;  EARLIER FILING DATE: 1998-05-15
;  NUMBER OF SEQ ID NOS: 328
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer/probe derived from C. elegans
US-09-205-658-4

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 4.4e+02;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        806 TAATGGAGATGTTCCAGCCT 825
              ||||| ||||| |||||| |
Db         20 TAATGTAGATGATCCAGCGT 1


RESULT 257
US-09-844-353A-4/c
; Sequence 4, Application US/09844353A
; Patent No. US20020037585A1
; GENERAL INFORMATION:
;  APPLICANT: Ruvkun, Gary
;  APPLICANT:  Kimura, Koutarou
;  APPLICANT:  Patterson, Garth
;  APPLICANT:  Ogg, Scott
;  APPLICANT:  Paradis, Suzanne
;  APPLICANT:  Tissenbaum, Heidi
;  APPLICANT:  Morris, Jason
;  APPLICANT:  Koweek, Allison
;  TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC TOOLS FOR
;  TITLE OF INVENTION:  IMPAIRED GLUCOSE TOLERANCE CONDITIONS
;  FILE REFERENCE: 00786/351005
;  CURRENT APPLICATION NUMBER: US/09/844,353A
;  CURRENT FILING DATE:  2001-04-27
;  PRIOR APPLICATION NUMBER: US 08/857,076
;  PRIOR FILING DATE: 1997-05-15
;  NUMBER OF SEQ ID NOS: 114
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer/probe derived from C. elegans
US-09-844-353A-4

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 4.4e+02;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        806 TAATGGAGATGTTCCAGCCT 825
              ||||| ||||| |||||| |
Db         20 TAATGTAGATGATCCAGCGT 1


RESULT 258
US-09-906-158-107
; Sequence 107, Application US/09906158
; Publication No. US20030078217A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF TRANSFORMING GROWTH FACTOR-BETA 3 EXPRES
;  FILE REFERENCE: RTS-0257
;  CURRENT APPLICATION NUMBER: US/09/906,158
;  CURRENT FILING DATE:  2001-07-14
;  NUMBER OF SEQ ID NOS: 168
; SEQ ID NO 107
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-906-158-107

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 4.4e+02;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1458 CAAGGAGGAGAAGCCAGAAG 1477
```

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              ||||||||||| |||| ||
b          1 CAAGGAGGAGACCCCAGTAG 20


ESULT 259
S-09-967-669-44
 Sequence 44, Application US/09967669
 Publication No. US20030092650A1
 GENERAL INFORMATION:
  APPLICANT: C. Frank Bennett
  APPLICANT:  Susan M. Freier
  TITLE OF INVENTION: ANTISENSE MODULATION OF SPHINGOSINE-1-PHOSPHATE LYASE EXPRESSION
  FILE REFERENCE: RTS-0259
  CURRENT APPLICATION NUMBER: US/09/967,669
  CURRENT FILING DATE:  2001-09-28
  NUMBER OF SEQ ID NOS: 90
 SEQ ID NO 44
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
S-09-967-669-44

 Query Match             0.7%;  Score 15.2;  DB 1;  Length 20;
 Best Local Similarity   85.0%;  Pred. No. 4.4e+02;
 Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y        868 GATCGGTTAGGTTGCTTCAA 887
             |||| ||| ||| |||||||
b          1 GATCTGTTTGGTAGCTTCAA 20


ESULT 260
S-09-953-318-97
 Sequence 97, Application US/09953318
 Publication No. US20030105036A1
 GENERAL INFORMATION:
  APPLICANT: C. Frank Bennett
  APPLICANT:  Andrew T. Watt
  TITLE OF INVENTION: ANTISENSE MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPT
  TITLE OF INVENTION:  EXPRESSION
  FILE REFERENCE: RTS-0232
  CURRENT APPLICATION NUMBER: US/09/953,318
  CURRENT FILING DATE:  2001-09-13
  NUMBER OF SEQ ID NOS: 154
 SEQ ID NO 97
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
S-09-953-318-97

 Query Match             0.7%;  Score 15.2;  DB 1;  Length 20;
 Best Local Similarity   85.0%;  Pred. No. 4.4e+02;
 Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y       1242 TGGCGATGAGGACGAAGACG 1261
             ||| ||||| ||||| ||||
b          1 TGGTGATGATGACGATGACG 20


ESULT 261
S-09-963-693-4/c
 Sequence 4, Application US/09963693
 Publication No. US20030181364A1
 GENERAL INFORMATION:
  APPLICANT: Ruvkun, Gary
  APPLICANT:  Ogg, Scott
  TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC TOOLS FOR
  TITLE OF INVENTION:  IMPAIRED GLUCOSE TOLERANCE CONDITIONS
  FILE REFERENCE: 00786/351004
;  CURRENT APPLICATION NUMBER: US/09/963,693
;  CURRENT FILING DATE:  2001-09-25
;  PRIOR APPLICATION NUMBER: US/09/205,658
;  PRIOR FILING DATE: 1998-12-03
;  PRIOR APPLICATION NUMBER: 08/857,076
;  PRIOR FILING DATE: 1997-05-15
;  PRIOR APPLICATION NUMBER: 08/888,534
;  PRIOR FILING DATE: 1997-07-07
;  PRIOR APPLICATION NUMBER: US98/10080
;  PRIOR FILING DATE: 1998-05-15
;  NUMBER OF SEQ ID NOS: 328
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer/probe derived from C. elegans
US-09-963-693-4

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 4.4e+02;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         806 TAATGGAGATGTTCCAGCCT 825
               ||||| ||||| |||||| |
Db          20 TAATGTAGATGATCCAGCGT 1


RESULT 262
US-10-247-799-7/c
; Sequence 7, Application US/10247799
; Publication No. US20040063787A1
; GENERAL INFORMATION:
;  APPLICANT: Julie N. Villanueva
;  APPLICANT:  Kimberly-Clark Worldwide, Inc.
;  TITLE OF INVENTION: Vaginal Health Products
;  FILE REFERENCE: 1443.031US1
;  CURRENT APPLICATION NUMBER: US/10/247,799
;  CURRENT FILING DATE:  2002-12-30
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 7
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-247-799-7

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 4.4e+02;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         450 GGACATCGCTGTGAATTGGG 469
               |||||| |||||| |||||
Db          20 GGACATTGCTGTGCTTTGGG 1


RESULT 263
US-10-236-392-764/c
; Sequence 764, Application US/10236392
; Publication No. US20040067490A1
; GENERAL INFORMATION:
;  APPLICANT: Anderson, David W
;  APPLICANT:  Boldog, Ferenc L
;  APPLICANT:  Burgess, Catherine, E
;  APPLICANT:  Casman, Stacie J
;  APPLICANT:  Catterton, Elina
;  APPLICANT:  Chapoval, Andrei
;  APPLICANT:  Crabtree, Julie
;  APPLICANT:  Edinger, Shlomit, R
;  APPLICANT:  Ellerman, Karen
;  APPLICANT:  Gerlach, Valerie
;  APPLICANT:  Gorman, Linda
```

```
;  APPLICANT:  Grosse, William M
;  APPLICANT:  Gusev, Vladamir
;  APPLICANT:  Kekuda, Ramesh
;  APPLICANT:  LaRochelle, William J
;  APPLICANT:  Li, Li
;  APPLICANT:  MacDougall, John R
;  APPLICANT:  Malyankar, Uriel M
;  APPLICANT:  Miller, Charles E
;  APPLICANT:  Millet, Isabelle
;  APPLICANT:  Padigaru, Muralidhara
;  APPLICANT:  Patturajan, Meera
;  APPLICANT:  Pena, Carol A
;  APPLICANT:  Peyman, John A
;  APPLICANT:  Rastelli, Luca
;  APPLICANT:  Reiger, Daniel K
;  APPLICANT:  Rothenberg, Mark E
;  APPLICANT:  Shenoy, Suresh
;  APPLICANT:  Shimkets, Richard A
;  APPLICANT:  Smithson, Glennda
;  TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME
;  FILE REFERENCE: 21402-442A
;  CURRENT APPLICATION NUMBER: US/10/236,392
;  CURRENT FILING DATE:  2002-09-06
;  PRIOR APPLICATION NUMBER: US09/540,763
;  PRIOR FILING DATE: 2000-03-30
;  PRIOR APPLICATION NUMBER: US60/390,155
;  PRIOR FILING DATE: 2002-06-19
;  PRIOR APPLICATION NUMBER: US09/635,949
;  PRIOR FILING DATE: 2000-08-10
;  PRIOR APPLICATION NUMBER: US60/318,765
;  PRIOR FILING DATE: 2001-09-12
;  PRIOR APPLICATION NUMBER: US60/357,303
;  PRIOR FILING DATE: 2002-02-15
;  PRIOR APPLICATION NUMBER: US60/367,753
;  PRIOR FILING DATE: 2002-03-25
;  PRIOR APPLICATION NUMBER: US60/369,479
;  PRIOR FILING DATE: 2002-04-02
;  PRIOR APPLICATION NUMBER: US09/659,634
;  PRIOR FILING DATE: 2000-09-12
;  PRIOR APPLICATION NUMBER: US60/318,120
;  PRIOR FILING DATE: 2001-09-07
;  PRIOR APPLICATION NUMBER: US60/318,130
;  PRIOR FILING DATE: 2001-09-07
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 794
;  SOFTWARE: Custom
; SEQ ID NO 764
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Reverse Primer
US-10-236-392-764

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 4.4e+02;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         38 GACGGTAGGGACGGGAGGCG 57
              ||| ||||||| |||||||
Db         20 GACAGTAGGGATAGGAGGCG 1


RESULT 264
US-10-446-373-97
; Sequence 97, Application US/10446373
; Publication No. US20030204076A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPT
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTS-0232
;  CURRENT APPLICATION NUMBER: US/10/446,373
;  CURRENT FILING DATE:  2003-05-28
;  PRIOR APPLICATION NUMBER: US/09/953,318
;  PRIOR FILING DATE: 2001-09-13
;  NUMBER OF SEQ ID NOS: 154
; SEQ ID NO 97
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-446-373-97

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 4.4e+02;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1242 TGGCGATGAGGACGAAGACG 1261
              ||| ||||| ||||| ||||
Db          1 TGGTGATGATGACGATGACG 20


RESULT 265
US-10-219-329-23/c
; Sequence 23, Application US/10219329
; Publication No. US20030096757A1
; GENERAL INFORMATION:
;  APPLICANT: Quirk, Stephen
;  APPLICANT:  Weart, Ilona f.
;  TITLE OF INVENTION: Anti-Cancer and Wound Healing Compounds
;  FILE REFERENCE: 1443.035WO1
;  CURRENT APPLICATION NUMBER: US/10/219,329
;  CURRENT FILING DATE:  2002-08-15
;  PRIOR APPLICATION NUMBER: US 10/032,376
;  PRIOR FILING DATE: 2001-12-21
;  PRIOR APPLICATION NUMBER: US 60/312,726
;  PRIOR FILING DATE: 2001-08-16
;  NUMBER OF SEQ ID NOS: 23
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 23
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-219-329-23

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 4.4e+02;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        450 GGACATCGCTGTGAATTGGG 469
              |||||| ||||||  |||||
Db         20 GGACATTGCTGTGCTTTGGG 1


RESULT 266
US-10-007-010-11/c
; Sequence 11, Application US/10007010
; Publication No. US20030125275A1
; GENERAL INFORMATION:
;  APPLICANT: Alexander H. Borchers
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HCK EXPRESSION
;  FILE REFERENCE: RTS-0345
;  CURRENT APPLICATION NUMBER: US/10/007,010
;  CURRENT FILING DATE:  2001-12-04
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 11
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-007-010-11
```

```
 Query Match             0.7%;  Score 15.2;  DB 1;  Length 20;
 Best Local Similarity   85.0%;  Pred. No. 4.4e+02;
 Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y       1243 GGCGATGAGGACGAAGACGA 1262
             || ||||| ||||| |||||
b         20 GGAGATGAAGACGATGACGA 1


ESULT 267
S-10-017-621-19/c
 Sequence 19, Application US/10017621
 Publication No. US20030138952A1
 GENERAL INFORMATION:
  APPLICANT: Susan M. Freier
  APPLICANT:  Mark P. Roach
  TITLE OF INVENTION: ANTISENSE MODULATION OF PCTAIRE PROTEIN KINASE 1 EXPRESSION
  FILE REFERENCE: RTS-0350
  CURRENT APPLICATION NUMBER: US/10/017,621
  CURRENT FILING DATE:  2001-12-07
  NUMBER OF SEQ ID NOS: 89
 SEQ ID NO 19
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
S-10-017-621-19

 Query Match             0.7%;  Score 15.2;  DB 1;  Length 20;
 Best Local Similarity   85.0%;  Pred. No. 4.4e+02;
 Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y       1143 GAAGATCAAACAGCGACTGT 1162
             |||||||||||  ||  ||||
b         20 GAAGATCAAACGGCAGCTGT 1


ESULT 268
S-10-029-517-41/c
 Sequence 41, Application US/10029517
 Publication No. US20030148969A1
 GENERAL INFORMATION:
  APPLICANT: Kenneth W. Dobie
  APPLICANT:  Susan J. Myers
  TITLE OF INVENTION: ANTISENSE MODULATION OF MUCIN 1, TRANSMEMBRANE EXPRESSION
  FILE REFERENCE: RTS-0352
  CURRENT APPLICATION NUMBER: US/10/029,517
  CURRENT FILING DATE:  2001-12-20
  NUMBER OF SEQ ID NOS: 107
 SEQ ID NO 41
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
S-10-029-517-41

 Query Match             0.7%;  Score 15.2;  DB 1;  Length 20;
 Best Local Similarity   85.0%;  Pred. No. 4.4e+02;
 Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y        394 CAGTTGTCTACTGGTGGTTC 413
             |||||||||||||| |  ||
b         20 CAGTTGTCTACTGGGGTCTC 1


ESULT 269
S-10-204-254A-123/c
 Sequence 123, Application US/10204254A
 Publication No. US20030176649A1
 GENERAL INFORMATION:
;  APPLICANT: VIKKULA, Miikka
;  TITLE OF INVENTION: VMGLOM gene and its mutations causing disorders with a vascular c
;  FILE REFERENCE: DELCE59.001APC
;  CURRENT APPLICATION NUMBER: US/10/204,254A
;  CURRENT FILING DATE:  2002-08-16
;  PRIOR APPLICATION NUMBER: PCT/EP01/01760
;  PRIOR FILING DATE: 2001-02-16
;  PRIOR APPLICATION NUMBER: 00870022.1
;  PRIOR FILING DATE: 2000-02-16
;  PRIOR APPLICATION NUMBER: 60/195,777
;  PRIOR FILING DATE: 2000-04-10
;  PRIOR APPLICATION NUMBER: 00870320.9
;  PRIOR FILING DATE: 2000-12-22
;  NUMBER OF SEQ ID NOS: 153
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 123
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: oligonucleotide: probe or pri
;   OTHER INFORMATION: mer
US-10-204-254A-123

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 4.4e+02;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1030 GAGATCCCTAATGAGCTTCC 1049
              ||||||||||||  || |||
Db         20 GAGATCCCTAATATGCCTCC 1


RESULT 270
US-10-289-762-1484
; Sequence 1484, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 1484
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-1484

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 4.4e+02;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1209 GGCGATTCCTGAGGACGCCA 1228
              |||||||||||| ||| | |
Db          1 GGCGATTCCTGAAGACACTA 20


RESULT 271
US-10-440-464-35
; Sequence 35, Application US/10440464
; Publication No. US20040018528A1
; GENERAL INFORMATION:
;  APPLICANT: DEPRIMO, SAMUEL
;  APPLICANT:  O'FARRELL, ANNE-MARIE
;  APPLICANT:  MORIMOTO, ALYSSA
;  APPLICANT:  SMOLICH, BEVERLY
;  APPLICANT:  MANNING, WILLIAM
;  APPLICANT:  WALTER, SARAH
;  APPLICANT:  CHERRINGTON, JULIE
```

```
;  APPLICANT:  SCHILLING, JIM
;  TITLE OF INVENTION: NOVEL BIOMARKERS OF TYROSINE KINASE INHIBITOR EXPOSURE
;  TITLE OF INVENTION:  AND ACTIVITY IN MAMMALS
;  FILE REFERENCE: 038602/1592
;  CURRENT APPLICATION NUMBER: US/10/440,464
;  CURRENT FILING DATE:  2003-05-19
;  PRIOR APPLICATION NUMBER: 60/380,872
;  PRIOR FILING DATE: 2002-05-17
;  PRIOR APPLICATION NUMBER: 60/448,922
;  PRIOR FILING DATE: 2003-02-24
;  PRIOR APPLICATION NUMBER: 60/448,874
;  PRIOR FILING DATE: 2003-02-24
;  NUMBER OF SEQ ID NOS: 185
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 35
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Primer
US-10-440-464-35

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 4.4e+02;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1035 CCCTAATGAGCTTCCATACA 1054
              |||  |||||||||||| |||
Db          1 CCCACATGAGCTTCCACACA 20


RESULT 272
US-10-304-109-40/c
; Sequence 40, Application US/10304109
; Publication No. US20040101856A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF MAD2-LIKE 1 EXPRESSION
;  FILE REFERENCE: RTS-0372
;  CURRENT APPLICATION NUMBER: US/10/304,109
;  CURRENT FILING DATE:  2002-11-23
;  NUMBER OF SEQ ID NOS: 151
; SEQ ID NO 40
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-304-109-40

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 4.4e+02;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         76 CAGGGCACCCGGAGGAAAGT 95
              ||| |||||| ||| |||||
Db         20 CAGTGCACCCAGAGAAAAGT 1


RESULT 273
US-10-304-109-115
; Sequence 115, Application US/10304109
; Publication No. US20040101856A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF MAD2-LIKE 1 EXPRESSION
;  FILE REFERENCE: RTS-0372
;  CURRENT APPLICATION NUMBER: US/10/304,109
;  CURRENT FILING DATE:  2002-11-23
;  NUMBER OF SEQ ID NOS: 151
; SEQ ID NO 115
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-304-109-115

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 4.4e+02;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         76 CAGGGCACCCGGAGGAAAGT 95
              ||| |||||| ||| |||||
Db          1 CAGTGCACCCAGAGAAAAGT 20


RESULT 274
US-10-688-706-2589/c
; Sequence 2589, Application US/10688706
; Publication No. US20040102412A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Broschat, Kay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF GFAT EXPRESSION
;  FILE REFERENCE: 01393/1
;  CURRENT APPLICATION NUMBER: US/10/688,706
;  CURRENT FILING DATE:  2003-10-17
;  PRIOR APPLICATION NUMBER: 60/419,268
;  PRIOR FILING DATE: 2002-10-17
;  NUMBER OF SEQ ID NOS: 3071
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2589
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: human GFAT antisense
US-10-688-706-2589

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 4.4e+02;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        411 TTCTGTGGCAAGTGCTGTGA 430
              |||||  |||||||||||| |
Db         20 TTCTGATGCAAGTGCTGTCA 1


RESULT 275
US-10-688-706-2799/c
; Sequence 2799, Application US/10688706
; Publication No. US20040102412A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Broschat, Kay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF GFAT EXPRESSION
;  FILE REFERENCE: 01393/1
;  CURRENT APPLICATION NUMBER: US/10/688,706
;  CURRENT FILING DATE:  2003-10-17
;  PRIOR APPLICATION NUMBER: 60/419,268
;  PRIOR FILING DATE: 2002-10-17
;  NUMBER OF SEQ ID NOS: 3071
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2799
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: human GFAT antisense
US-10-688-706-2799

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 4.4e+02;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;
```

```
/        408 TGGTTCTGTGGCAAGTGCTG 427
            || |||||  ||||||||||
>         20 TGCTTCTGATGCAAGTGCTG 1


ESULT 276
3-10-688-706-3013/c
 Sequence 3013, Application US/10688706
 Publication No. US20040102412A1
 GENERAL INFORMATION:
  APPLICANT: Pharmacia Corp.
  APPLICANT:  Broschat, Kay
  TITLE OF INVENTION: ANTISENSE MODULATION OF GFAT EXPRESSION
  FILE REFERENCE: 01393/1
  CURRENT APPLICATION NUMBER: US/10/688,706
  CURRENT FILING DATE:  2003-10-17
  PRIOR APPLICATION NUMBER: 60/419,268
  PRIOR FILING DATE: 2002-10-17
  NUMBER OF SEQ ID NOS: 3071
  SOFTWARE: PatentIn version 3.2
 SEQ ID NO 3013
   LENGTH: 20
   TYPE: DNA
   ORGANISM: artificial
   FEATURE:
   OTHER INFORMATION: human GFAT antisense
3-10-688-706-3013

 Query Match             0.7%;  Score 15.2;  DB 1;  Length 20;
 Best Local Similarity   85.0%;  Pred. No. 4.4e+02;
 Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

/        409 GGTTCTGTGGCAAGTGCTGT 428
            | |||||  ||||||||||
>         20 GCTTCTGATGCAAGTGCTGT 1


ESULT 277
3-10-467-008-31/c
 Sequence 31, Application US/10467008
 Publication No. US20040116366A1
 GENERAL INFORMATION:
  APPLICANT: Isis Pharmaceuticals, Inc.
  APPLICANT:  Brett P. Monia
  APPLICANT:  Jacqueline Wyatt
  TITLE OF INVENTION: ANTISENSE MODULATION OF PROTEIN PHOSPHATASE 2 CATALYTIC SUBUNIT B
  TITLE OF INVENTION:  EXPRESSION
  FILE REFERENCE: ISPH-0746
  CURRENT APPLICATION NUMBER: US/10/467,008
  CURRENT FILING DATE:  2003-08-01
  PRIOR APPLICATION NUMBER: PCT/US02/02805
  PRIOR FILING DATE: 2002-01-31
  PRIOR APPLICATION NUMBER: US 09/780,045
  PRIOR FILING DATE: 2001-02-09
  NUMBER OF SEQ ID NOS: 135
 SEQ ID NO 31
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
3-10-467-008-31

 Query Match             0.7%;  Score 15.2;  DB 1;  Length 20;
 Best Local Similarity   85.0%;  Pred. No. 4.4e+02;
 Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

/         4 CGGAGCCGCGGGCGGGAGGG 23
            ||| |||| ||||||| |||
>         20 CGGGGCCGGGGGCGGGTGGG 1


RESULT 278
US-09-949-427-39/c
; Sequence 39, Application US/09949427
; Publication No. US20030054418A1
; GENERAL INFORMATION:
;  APPLICANT: Bodnar, Jackie S.
;  APPLICANT:  Castellani, Lawrence W.
;  APPLICANT:  Chatterjee, Aurobindo
;  APPLICANT:  de Jong, Pieter
;  APPLICANT:  Lusis, Aldons J.
;  APPLICANT:  Ohmen, Jeff
;  APPLICANT:  Ross, David
;  APPLICANT:  Tafuri, Sherrie
;  APPLICANT:  Wu, Chenyan
;  TITLE OF INVENTION: Gene and Sequence Variation Associated with Cancer
;  FILE REFERENCE: 02810.0014.NPUS02
;  CURRENT APPLICATION NUMBER: US/09/949,427
;  CURRENT FILING DATE:  2001-09-07
;  PRIOR APPLICATION NUMBER: 60/231,322
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 405
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 39
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Primer
US-09-949-427-39

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 21;
  Best Local Similarity   85.0%;  Pred. No. 4.7e+02;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         405 TGGTGGTTCTGTGGCAAGTG 424
               |||||||||| ||  ||||
Db          21 TGGTGGTTCTGAGGTGAGTG 2


RESULT 279
US-09-978-600-14/c
; Sequence 14, Application US/09978600
; Publication No. US20030087858A1
;   GENERAL INFORMATION:
;        APPLICANT: HERRNSTADT, CORINNA
;                   PARKER, WILLIAM D.
;                   DAVIS, ROBERT
;                   MILLER, SCOTT W.
;        TITLE OF INVENTION: Diagnosis, Therapy and Cellular and
;                            Animal Models for Diseases Associated With Mitochondrial
;                            Defects
;        NUMBER OF SEQUENCES: 206
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Kenyon & Kenyon
;             STREET: 1025 Connecticut Avenue, N.W.
;             CITY: Washington
;             STATE: DC
;             COUNTRY: USA
;             ZIP: 20036-5405
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/978,600
;             FILING DATE: 15-Oct-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/413,740
;             FILING DATE: 30-MAR-1995
;             APPLICATION NUMBER: PCT/US95/04063
;             FILING DATE: 30-MAR-1995
```

```
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Bonham, David B.
;            REGISTRATION NUMBER: 34297
;            REFERENCE/DOCKET NUMBER: 2105/7
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (202) 429-1776
;            TELEFAX: (202) 429-0796
;   INFORMATION FOR SEQ ID NO: 14:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 21 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: double
;            TOPOLOGY: linear
;       MOLECULE TYPE: other nucleic acid
;       HYPOTHETICAL: NO
;       ANTI-SENSE: NO
;       SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-978-600-14

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 21;
  Best Local Similarity   85.0%;  Pred. No. 4.7e+02;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1243 GGCGATGAGGACGAAGACGA 1262
              ||||||||||||  | ||  ||
Db         21 GGCGATGAGGACTAGGATGA 2


RESULT 280
US-10-416-111-18
; Sequence 18, Application US/10416111
; Publication No. US20040048278A1
; GENERAL INFORMATION:
;  APPLICANT: OLEK, Alexander
;  APPLICANT:  PIEPENBROCK, Christian
;  APPLICANT:  BERLIN, Kurt
;  TITLE OF INVENTION: Diagnosis of Diseases Associated with the Human C-mos Gene
;  FILE REFERENCE: 5013.1017
;  CURRENT APPLICATION NUMBER: US/10/416,111
;  CURRENT FILING DATE:  2003-05-06
;  PRIOR APPLICATION NUMBER: PCT/EP01/12831
;  PRIOR FILING DATE: 2001-11-06
;  PRIOR APPLICATION NUMBER: DE 10054972.1
;  PRIOR FILING DATE: 2000-11-06
;  NUMBER OF SEQ ID NOS: 20
; SEQ ID NO 18
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-416-111-18

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 21;
  Best Local Similarity   85.0%;  Pred. No. 4.7e+02;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1360 AACTCTTCCAACTTCAAAAA 1379
              || ||||||||||||  |||
Db          2 AAATCTTCCAACTTCTCAAA 21


RESULT 281
US-09-949-428-39/c
; Sequence 39, Application US/09949428
; Publication No. US20030064372A1
; GENERAL INFORMATION:
;  APPLICANT: Bodnar, Jackie S.
;  APPLICANT:  Castellani, Lawrence W.
;  APPLICANT:  Chatterjee, Aurobindo
;  APPLICANT:  de Jong, Pieter
;  APPLICANT:  Lusis, Aldons J.
;  APPLICANT:  Ohmen, Jeff
;  APPLICANT:  Ross, David
;  APPLICANT:  Tafuri, Sherrie
;  APPLICANT:  Wu, Chenyan
;  TITLE OF INVENTION: Gene and Sequence Variation Associated with Lipid Disorder
;  FILE REFERENCE: 02810.0014.NPUS01
;  CURRENT APPLICATION NUMBER: US/09/949,428
;  CURRENT FILING DATE:  2001-09-07
;  PRIOR APPLICATION NUMBER: 60/231,322
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 405
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 39
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Primer
US-09-949-428-39

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 21;
  Best Local Similarity   85.0%;  Pred. No. 4.7e+02;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        405 TGGTGGTTCTGTGGCAAGTG 424
              ||||||||||| ||  ||||
Db         21 TGGTGGTTCTGAGGTGAGTG 2


RESULT 282
US-10-438-075-23
; Sequence 23, Application US/10438075
; Publication No. US20030216345A1
; GENERAL INFORMATION:
;  APPLICANT: Schering Aktiengesellschaft
;  TITLE OF INVENTION: Histone deacetylase inhibitor and use thereof
;  FILE REFERENCE: 1023370
;  CURRENT APPLICATION NUMBER: US/10/438,075
;  CURRENT FILING DATE:  2003-05-15
;  NUMBER OF SEQ ID NOS: 31
; SEQ ID NO 23
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   NAME/KEY:
;   LOCATION:
;   OTHER INFORMATION: Head reverse primer
US-10-438-075-23

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 21;
  Best Local Similarity   85.0%;  Pred. No. 4.7e+02;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        190 CTCAACTATGGTCTCTACCG 209
              |||||||||  ||| ||||
Db          2 CTCAACTATGACCTCAACCG 21


RESULT 283
US-10-601-492-7
; Sequence 7, Application US/10601492
; Publication No. US20040157327A1
; GENERAL INFORMATION:
;  APPLICANT: Wyeth
;  TITLE OF INVENTION: PABLO, A POLYPEPTIDE THAT INTERACTS WITH BCL-XL, AND USES RELATED
;  TITLE OF INVENTION:  THERETO
;  FILE REFERENCE: AM100012-P2
;  CURRENT APPLICATION NUMBER: US/10/601,492
;  CURRENT FILING DATE:  2003-06-23
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7
;   LENGTH: 21
```

```
   TYPE: RNA
   ORGANISM: Artificial
   FEATURE:
   OTHER INFORMATION: siRNA
S-10-601-492-7

 Query Match             0.7%;  Score 15.2;  DB 1;  Length 21;
 Best Local Similarity   75.0%;  Pred. No. 4.7e+02;
 Matches   15;  Conservative    2;  Mismatches    3;  Indels    0;  Gaps    0;

y        325 AGCAAGCAGATGCAGAGATT 344
             || ||||||| ||||| |::
b          2 AGGAAGCAGAAGCAGAAAUU 21


ESULT 284
S-10-156-995-216
 Sequence 216, Application US/10156995
 Publication No. US20030211486A1
 GENERAL INFORMATION:
  APPLICANT: DNA Print Genomics, Inc.
  APPLICANT:  FRUDAKIS, Tony N.
  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DETECTING POLYMORPHISMS ASSOCIATED W
  TITLE OF INVENTION:  PIGMENTATION
  FILE REFERENCE: DNA1140-7
  CURRENT APPLICATION NUMBER: US/10/156,995
  CURRENT FILING DATE:  2002-05-28
  PRIOR APPLICATION NUMBER: US 60/346,303
  PRIOR FILING DATE: 2002-01-02
  PRIOR APPLICATION NUMBER: US 60/334,674
  PRIOR FILING DATE: 2001-11-15
  PRIOR APPLICATION NUMBER: US 60/344,418
  PRIOR FILING DATE: 2001-10-26
  PRIOR APPLICATION NUMBER: US 60/323,662
  PRIOR FILING DATE: 2001-09-17
  PRIOR APPLICATION NUMBER: US 60/310,781
  PRIOR FILING DATE: 2001-08-07
  PRIOR APPLICATION NUMBER: US 60/300,187
  PRIOR FILING DATE: 2001-06-21
  PRIOR APPLICATION NUMBER: US 60/293,560
  PRIOR FILING DATE: 2001-05-25
  NUMBER OF SEQ ID NOS: 224
  SOFTWARE: PatentIn version 3.1
 SEQ ID NO 216
   LENGTH: 22
   TYPE: DNA
   ORGANISM: Artificial sequence
   FEATURE:
   OTHER INFORMATION: PCR primer
S-10-156-995-216

 Query Match             0.7%;  Score 15.2;  DB 1;  Length 22;
 Best Local Similarity   85.0%;  Pred. No. 5e+02;
 Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y       1974 TGCCTGCCCTCTGTCTGTCT 1993
             ||||||| || ||||||| |
o          3 TGCCTGCTCTATGTCTGTGT 22


ESULT 285
S-09-770-107-96
 Sequence 96, Application US/09770107
 Publication No. US20030054345A1
 GENERAL INFORMATION:
  APPLICANT: Millenium Pharmaceuticals, Inc.
  APPLICANT:  Meyer, Joanne
  APPLICANT:  Barrington-Martin, Rory
  APPLICANT:  Parker, Alexander
  APPLICANT:  Barnes, Glenn
  TITLE OF INVENTION: Compositions and methods for the diagnosis and treatment of
  TITLE OF INVENTION:  neuropsychiatric disorders, including schizophrenia
  FILE REFERENCE: 3322/0H401
;  CURRENT APPLICATION NUMBER: US/09/770,107
;  CURRENT FILING DATE:  2001-01-24
;  NUMBER OF SEQ ID NOS: 127
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 96
;   LENGTH: 23
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-770-107-96

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 23;
  Best Local Similarity   85.0%;  Pred. No. 5.4e+02;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1419 CCCAGAGGAGAAGAAAGAAG 1438
              | | ||||||||||||| ||
Db          3 CGCTGAGGAGAAGAAAGGAG 22


RESULT 286
US-10-438-683-1
; Sequence 1, Application US/10438683
; Publication No. US20030186923A1
;   GENERAL INFORMATION:
;        APPLICANT: JAMES D. THOMPSON
;        TITLE OF INVENTION: METHOD AND REAGENT FOR
;                            INHIBITING P-GLYCOPROTEIN mdr-
;                            1 GENE
;        NUMBER OF SEQUENCES: 9
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Lyon & Lyon
;             STREET: 611 West Sixth Street
;             CITY: Los Angeles
;             STATE: California
;             COUNTRY: USA
;             ZIP: 90017
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
;             COMPUTER: IBM COMPATIBLE
;             OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)
;             SOFTWARE: WordPerfect (Version 5.1)
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/438,683
;             FILING DATE: 15-May-2003
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/07/882,885
;             FILING DATE: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Warburg, Richard J.
;             REGISTRATION NUMBER: 32,327
;             REFERENCE/DOCKET NUMBER: 197/173
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (213) 489-1600
;             TELEFAX: (213) 955-0440
;             TELEX: 67-3510
;   INFORMATION FOR SEQ ID NO: 1:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 23
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-438-683-1

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 23;
  Best Local Similarity   65.0%;  Pred. No. 5.4e+02;
  Matches   13;  Conservative    4;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1363 TCTTCCAACTTCAAAAAAGC 1382
              :|::|||| :|||| ||||
Db          1 UCUUCCAAGCUCAAAGAAGC 20
```

```
RESULT 287
US-10-382-239A-5/c
; Sequence 5, Application US/10382239A
; Publication No. US20030219511A1
; GENERAL INFORMATION:
;  APPLICANT: Societe des Produits Nestle
;  TITLE OF INVENTION: No. US20030219511A1el Carboxypeptidase of Cocoa
;  FILE REFERENCE: 88265-7006
;  CURRENT APPLICATION NUMBER: US/10/382,239A
;  CURRENT FILING DATE:  2003-03-05
;  PRIOR APPLICATION NUMBER: EP 01116407.6
;  PRIOR FILING DATE: 2001-07-06
;  PRIOR APPLICATION NUMBER: PCT/EP02/07162
;  PRIOR FILING DATE: 2002-06-28
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: Patentln Ver. 3.1
; SEQ ID NO 5
;   LENGTH: 23
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-382-239A-5

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 23;
  Best Local Similarity   85.0%;  Pred. No. 5.4e+02;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1579 ATATTTTCTATTTCTCTGTG 1598
              || |||||| ||||||| ||
Db         20 ATCTTTTCTTTTTCTCTTTG 1


RESULT 288
US-09-791-942-47/c
; Sequence 47, Application US/09791942
; Patent No. US20020147166A1
; GENERAL INFORMATION:
;  APPLICANT:  C. Frank Bennett
;  APPLICANT:  Robert Rothlein
;  APPLICANT:  Takashi Kei Kishimoto
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION:  ANTISENSE MODULATION OF TALIN EXPRESSION
;  FILE REFERENCE:  RTS-0099
;  CURRENT APPLICATION NUMBER: US/09/791,942
;  CURRENT FILING DATE:  2001-02-22
;  NUMBER OF SEQ ID NOS:  89
; SEQ ID NO 47
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-791-942-47

  Query Match             0.7%;  Score 15;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        413 CTGTGGCAAGTGCTG 427
              |||||||||||||||
Db         19 CTGTGGCAAGTGCTG 5


RESULT 289
US-09-996-263-12/c
; Sequence 12, Application US/09996263
; Publication No. US20030004325A1
;   GENERAL INFORMATION:
;        APPLICANT: Phillip Dan Cook
;                   Andrew Kawasaki
;        TITLE OF INVENTION: Sugar Modified Oligonucleotides
;        NUMBER OF SEQUENCES: 37
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz and No. US20030004325A1ris
;             STREET: One Liberty Place - 46th Floor
;             CITY: Philadelphia
;             STATE: PA
;             COUNTRY: U.S.A.
;             ZIP: 19103
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: 3.5 inch disk, 720 Kb
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: WordPerfect 5.1
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/996,263
;             FILING DATE: 28-No. US20030004325A1-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/471,973
;             FILING DATE: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Joseph Lucci
;             REGISTRATION NUMBER: 33,307
;             REFERENCE/DOCKET NUMBER: ISIS-2005
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 215-568-3100
;             TELEFAX: 215-568-3439
;   INFORMATION FOR SEQ ID NO: 12:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20 bases
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        ANTI-SENSE: yes
;        SEQUENCE DESCRIPTION: SEQ ID NO: 12:
US-09-996-263-12

  Query Match             0.7%;  Score 15;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1460 AGGAGGAGAAGCCAG 1474
              |||||||||||||||
Db         15 AGGAGGAGAAGCCAG 1


RESULT 290
US-10-057-550-22/c
; Sequence 22, Application US/10057550
; Publication No. US20030032607A1
; GENERAL INFORMATION:
;  APPLICANT: Monia, Brett P.
;  TITLE OF INVENTION: Antisense Oligonucleotide Modulation of raf Gene Expression
;  FILE REFERENCE:
;  CURRENT APPLICATION NUMBER: US/10/057,550
;  CURRENT FILING DATE:  2002-01-25
;  PRIOR APPLICATION NUMBER: 09/506,073
;  PRIOR FILING DATE: 2000-02-18
;  PRIOR APPLICATION NUMBER: US 09/143,214
;  PRIOR FILING DATE: 1998-08-28
;  PRIOR APPLICATION NUMBER: PCT/US98/13961
;  PRIOR FILING DATE: 1998-07-06
;  PRIOR APPLICATION NUMBER: US 08/888,982
;  PRIOR FILING DATE: 1997-07-07
;  PRIOR APPLICATION NUMBER: US 08/756,806
;  PRIOR FILING DATE: 1996-11-26
;  PRIOR APPLICATION NUMBER: PCT/US95/07111
;  PRIOR FILING DATE: 1995-05-31
;  PRIOR APPLICATION NUMBER: US 08/250,856
;  PRIOR FILING DATE: 1994-05-31
;  NUMBER OF SEQ ID NOS: 130
; SEQ ID NO 22
;   LENGTH: 20
```

TYPE: DNA
ORGANISM: artificial sequence
FEATURE:
OTHER INFORMATION: antisense sequence
S-10-057-550-22

Query Match 0.7%; Score 15; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

y 1460 AGGAGGAGAAGCCAG 1474
||||||||||||||||
b 15 AGGAGGAGAAGCCAG 1

ESULT 291
S-10-173-225B-22/c
Sequence 22, Application US/10173225B
Publication No. US20030119769A1
GENERAL INFORMATION:
APPLICANT: Monia, Brett P.
TITLE OF INVENTION: Antisense Oligonucleotide Modulation of raf Gene Expression
FILE REFERENCE: ISPH-0665
CURRENT APPLICATION NUMBER: US/10/173,225B
CURRENT FILING DATE: 2002-12-06
PRIOR APPLICATION NUMBER: US 10/057,550
PRIOR FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: US 09/143,214
PRIOR FILING DATE: 1998-08-28
PRIOR APPLICATION NUMBER: PCT/US98/13961
PRIOR FILING DATE: 1998-07-06
PRIOR APPLICATION NUMBER: US 08/888,982
PRIOR FILING DATE: 1997-07-07
PRIOR APPLICATION NUMBER: US 08/756,806
PRIOR FILING DATE: 1996-11-26
PRIOR APPLICATION NUMBER: PCT/US95/07111
PRIOR FILING DATE: 1995-05-31
PRIOR APPLICATION NUMBER: US 08/250,856
PRIOR FILING DATE: 1994-05-31
NUMBER OF SEQ ID NOS: 109
SEQ ID NO 22
LENGTH: 20
TYPE: DNA
ORGANISM: artificial sequence
FEATURE:
OTHER INFORMATION: antisense sequence
S-10-173-225B-22

Query Match 0.7%; Score 15; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

y 1460 AGGAGGAGAAGCCAG 1474
||||||||||||||||
b 15 AGGAGGAGAAGCCAG 1

ESULT 292
S-10-352-586-12/c
Sequence 12, Application US/10352586
Publication No. US20030187240A1
GENERAL INFORMATION:
APPLICANT: Cook, Phillip Dan
APPLICANT: Kawasaki, Andrew
TITLE OF INVENTION: 2'-Modified Oligonucleotides
FILE REFERENCE: ISIS5137
CURRENT APPLICATION NUMBER: US/10/352,586
CURRENT FILING DATE: 2003-01-28
PRIOR APPLICATION NUMBER: 09/389,283
PRIOR FILING DATE: 1999-09-02
NUMBER OF SEQ ID NOS: 37
SOFTWARE: PatentIn version 3.2
SEQ ID NO 12
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic construct
US-10-352-586-12

Query Match 0.7%; Score 15; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1460 AGGAGGAGAAGCCAG 1474
||||||||||||||||
Db 15 AGGAGGAGAAGCCAG 1

RESULT 293
US-10-415-463-47/c
; Sequence 47, Application US/10415463
; Publication No. US20040110705A1
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsert
; TITLE OF INVENTION: ANTISENSE MODULATION OF TALIN EXPRESSION
; FILE REFERENCE: RTSP-0198
; CURRENT APPLICATION NUMBER: US/10/415,463
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: 09/702,251
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 47
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-415-463-47

Query Match 0.7%; Score 15; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 413 CTGTGGCAAGTGCTG 427
||||||||||||||||
Db 19 CTGTGGCAAGTGCTG 5

RESULT 294
US-09-911-777-21/c
; Sequence 21, Application US/09911777
; Patent No. US20020037852A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC.
; APPLICANT: APOTECH S.A.
; APPLICANT: BROWNING, Jeffrey
; APPLICANT: AMBROSE, Christine
; APPLICANT: MACKAY, Fabienne
; APPLICANT: TSCHOPP, Jurg
; APPLICANT: SCHNEIDER, Pascal
; TITLE OF INVENTION: BAFF, Inhibitors Thereof and Their Use
; TITLE OF INVENTION: in the Modulation of B-Cell Response
; FILE REFERENCE: A070 US
; CURRENT APPLICATION NUMBER: US/09/911,777
; CURRENT FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: 60/117,169
; PRIOR FILING DATE: 1999-01-25
; PRIOR APPLICATION NUMBER: 60/143,228
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: PCT/US00/01788
; PRIOR FILING DATE: 2000-01-25
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSEQ for Windows Version 4.0

```
; SEQ ID NO 21
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo Sapien
US-09-911-777-21

  Query Match             0.7%;  Score 15;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 5.1e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        450 GGACATCGCTGTGAA 464
              |||||||||||||||
Db         20 GGACATCGCTGTGAA 6


RESULT 295
US-10-045-574A-21/c
; Sequence 21, Application US/10045574A
; Publication No. US20030095967A1
; GENERAL INFORMATION:
;  APPLICANT: MACKAY, Fabienne
;  APPLICANT:  KALLED, Susan
;  TITLE OF INVENTION: BAFF, Inhibitors Thereof and Their Use
;  TITLE OF INVENTION:  in the Modulation of B-Cell Response and Treatment of
;  TITLE OF INVENTION:  Autoimmune Disorders
;  FILE REFERENCE: 08201.0024-01000
;  CURRENT APPLICATION NUMBER: US/10/045,574A
;  CURRENT FILING DATE:  2001-11-07
;  PRIOR APPLICATION NUMBER: 60/117,169
;  PRIOR FILING DATE: 1999-01-25
;  PRIOR APPLICATION NUMBER: 60/143,228
;  PRIOR FILING DATE: 1999-07-09
;  PRIOR APPLICATION NUMBER: PCT/US00/01788
;  PRIOR FILING DATE: 2000-01-25
;  PRIOR APPLICATION NUMBER: 09/911,777
;  PRIOR FILING DATE: 2001-07-24
;  NUMBER OF SEQ ID NOS: 22
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo Sapien
US-10-045-574A-21

  Query Match             0.7%;  Score 15;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 5.1e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        450 GGACATCGCTGTGAA 464
              |||||||||||||||
Db         20 GGACATCGCTGTGAA 6


RESULT 296
US-10-378-098A-72
; Sequence 72, Application US/10378098A
; Publication No. US20040138156A1
; GENERAL INFORMATION:
;  APPLICANT: Schneider, Michael C.
;  APPLICANT:  Wilbur, Andrew
;  TITLE OF INVENTION: THERAPEUTIC REGULATION OF DEOXYRIBONUCLEASE-1-LIKE-3 ACTIVITY
;  FILE REFERENCE: 7352/78567
;  CURRENT APPLICATION NUMBER: US/10/378,098A
;  CURRENT FILING DATE:  2003-02-26
;  PRIOR APPLICATION NUMBER: US 60/359,619
;  PRIOR FILING DATE: 2002-02-26
;  NUMBER OF SEQ ID NOS: 85
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 72
;   LENGTH: 23
;   TYPE: DNA
;   ORGANISM: Artificial
;   FEATURE:
;   OTHER INFORMATION: Primer
US-10-378-098A-72

  Query Match             0.7%;  Score 15;  DB 1;  Length 23;
  Best Local Similarity   78.3%;  Pred. No. 5.8e+02;
  Matches   18;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       1940 CCTTCCCACTGGCCTCAAGTGAG 1962
              |||||| | | | ||||||| ||
Db          1 CCTTCCAATTTGGCTCAAGTCAG 23


RESULT 297
US-10-418-251-69/c
; Sequence 69, Application US/10418251
; Publication No. US20040073957A1
; GENERAL INFORMATION:
;  APPLICANT: TOMIZUKA, KAZUMA
;  APPLICANT:  YOSHIDA, HITOSHI
;  APPLICANT:  HANAOKA, KAZUNORI
;  APPLICANT:  OSHIMURA, MITSUO
;  APPLICANT:  ISHIDA, ISAO
;  TITLE OF INVENTION: CHIMERIC ANIMAL AND METHOD FOR PRODUCING THE SAME
;  FILE REFERENCE: 081356/0114
;  CURRENT APPLICATION NUMBER: US/10/418,251
;  CURRENT FILING DATE:  2003-04-18
;  PRIOR APPLICATION NUMBER: US/09/033,936
;  PRIOR FILING DATE: 1998-03-02
;  PRIOR APPLICATION NUMBER: PCT/JP96/02427
;  PRIOR FILING DATE: 1996-08-29
;  NUMBER OF SEQ ID NOS: 74
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 69
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-418-251-69

  Query Match             0.7%;  Score 15;  DB 1;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 6.2e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1310 GTGAGGAAGAGTTCT 1324
              |||||||||||||||
Db         23 GTGAGGAAGAGTTCT 9


RESULT 298
US-09-923-246-23
; Sequence 23, Application US/09923246
; Patent No. US20020128446A1
; GENERAL INFORMATION:
;  APPLICANT: No. US20020128446A1ak, Julia E.
;  APPLICANT:  Presnell, Scott R.
;  APPLICANT:  Sprecher, Cindy A.
;  APPLICANT:  Foster, Donald C.
;  APPLICANT:  Holly, Richard D.
;  APPLICANT:  Gross, Jane A.
;  APPLICANT:  Johnston, Janet V.
;  APPLICANT:  Nelson, Andrew J.
;  APPLICANT:  Dillon, Stacey R.
;  APPLICANT:  Hammond, Angela K.
;  TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
;  FILE REFERENCE: 99-16
;  CURRENT APPLICATION NUMBER: US/09/923,246
;  CURRENT FILING DATE:  2001-08-03
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/522,217
;  PRIOR FILING DATE: EARLIER FILING DATE: 2000-03-09
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/123,904
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-11
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/142,013
```

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  PRIOR FILING DATE: EARLIER FILING DATE: 1999-07-01
  NUMBER OF SEQ ID NOS: 115
  SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 23
    LENGTH: 18
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Oligonucleotide primer ZC19954
S-09-923-246-23

 Query Match             0.7%;  Score 14.8;  DB 1;  Length 18;
 Best Local Similarity   88.9%;  Pred. No. 4.4e+02;
 Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y        464 ATTGGGCTGGGGGCCTGC 481
             | ||||||||||| ||||
b          1 ACTGGGCTGGGGGACTGC 18


ESULT 299
S-10-295-723-23
 Sequence 23, Application US/10295723
 Publication No. US20030125524A1
 GENERAL INFORMATION:
  APPLICANT: No. US20030125524A1ak, Julia E.
  APPLICANT:  Presnell, Scott R.
  APPLICANT:  Sprecher, Cindy A.
  APPLICANT:  Foster, Donald C.
  APPLICANT:  Holly, Richard D.
  APPLICANT:  Gross, Jane A.
  APPLICANT:  Johnston, Janet V.
  APPLICANT:  Nelson, Andrew J.
  APPLICANT:  Dillon, Stacey R.
  APPLICANT:  Hammond, Angela K.
  TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
  FILE REFERENCE: 99-16
  CURRENT APPLICATION NUMBER: US/10/295,723
  CURRENT FILING DATE:  2002-11-15
  PRIOR APPLICATION NUMBER: 09/522,217
  PRIOR FILING DATE: 2000-03-09
  PRIOR APPLICATION NUMBER: US 60/123,547
  PRIOR FILING DATE: 1999-03-09
  PRIOR APPLICATION NUMBER: US 60/123,904
  PRIOR FILING DATE: 1999-03-11
  PRIOR APPLICATION NUMBER: US 60/142,013
  PRIOR FILING DATE: 1999-07-01
  NUMBER OF SEQ ID NOS: 115
  SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 23
   LENGTH: 18
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Oligonucleotide primer ZC19954
S-10-295-723-23

 Query Match             0.7%;  Score 14.8;  DB 1;  Length 18;
 Best Local Similarity   88.9%;  Pred. No. 4.4e+02;
 Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y        464 ATTGGGCTGGGGGCCTGC 481
             | ||||||||||| ||||
b          1 ACTGGGCTGGGGGACTGC 18


ESULT 300
S-10-243-072-22
 Sequence 22, Application US/10243072
 Publication No. US20030148447A1
 GENERAL INFORMATION:
  APPLICANT: Presnell, Scott R.
  APPLICANT:  Conklin, Darrell C.
;  APPLICANT:  No. US20030148447A1ak, Julia E.
;  APPLICANT:  Hammond, Angela K.
;  TITLE OF INVENTION: CYTOKINE RECEPTOR ZAPLHA11
;  FILE REFERENCE: 98-55C1
;  CURRENT APPLICATION NUMBER: US/10/243,072
;  CURRENT FILING DATE:  2002-09-13
;  PRIOR APPLICATION NUMBER: 09/628,127
;  PRIOR FILING DATE: 2000-07-28
;  PRIOR APPLICATION NUMBER: US 60/100,896
;  PRIOR FILING DATE: 1998-09-23
;  PRIOR APPLICATION NUMBER: US 60/123,546
;  PRIOR FILING DATE: 1999-03-09
;  PRIOR APPLICATION NUMBER: US 60/142,574
;  PRIOR FILING DATE: 1999-07-06
;  PRIOR APPLICATION NUMBER: US 09/404,641
;  PRIOR FILING DATE: 1999-09-23
;  NUMBER OF SEQ ID NOS: 92
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 22
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC19954
US-10-243-072-22

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 18;
  Best Local Similarity   88.9%;  Pred. No. 4.4e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       464 ATTGGGCTGGGGGCCTGC 481
             | ||||||||||| ||||
Db         1 ACTGGGCTGGGGGACTGC 18


RESULT 301
US-10-243-072-39
; Sequence 39, Application US/10243072
; Publication No. US20030148447A1
; GENERAL INFORMATION:
;  APPLICANT: Presnell, Scott R.
;  APPLICANT:  Conklin, Darrell C.
;  APPLICANT:  No. US20030148447A1ak, Julia E.
;  APPLICANT:  Hammond, Angela K.
;  TITLE OF INVENTION: CYTOKINE RECEPTOR ZAPLHA11
;  FILE REFERENCE: 98-55C1
;  CURRENT APPLICATION NUMBER: US/10/243,072
;  CURRENT FILING DATE:  2002-09-13
;  PRIOR APPLICATION NUMBER: 09/628,127
;  PRIOR FILING DATE: 2000-07-28
;  PRIOR APPLICATION NUMBER: US 60/100,896
;  PRIOR FILING DATE: 1998-09-23
;  PRIOR APPLICATION NUMBER: US 60/123,546
;  PRIOR FILING DATE: 1999-03-09
;  PRIOR APPLICATION NUMBER: US 60/142,574
;  PRIOR FILING DATE: 1999-07-06
;  PRIOR APPLICATION NUMBER: US 09/404,641
;  PRIOR FILING DATE: 1999-09-23
;  NUMBER OF SEQ ID NOS: 92
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 39
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC19954
US-10-243-072-39

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 18;
  Best Local Similarity   88.9%;  Pred. No. 4.4e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       464 ATTGGGCTGGGGGCCTGC 481
```

```
              | |||||||||||| ||||
Db          1 ACTGGGCTGGGGGACTGC 18


RESULT 302
US-10-414-186-22
; Sequence 22, Application US/10414186
; Publication No. US20030175825A1
; GENERAL INFORMATION:
;  APPLICANT: Presnell, Scott R.
;  APPLICANT:  Conklin, Darrell C.
;  APPLICANT:  No. US20030175825A1ak, Julia E.
;  APPLICANT:  Hammond, Angela K.
;  TITLE OF INVENTION: CYTOKINE RECEPTOR ZAPLHA11
;  FILE REFERENCE: 98-55
;  CURRENT APPLICATION NUMBER: US/10/414,186
;  CURRENT FILING DATE:  2003-04-14
;  PRIOR APPLICATION NUMBER: US/09/404,641
;  PRIOR FILING DATE: 1999-09-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/100,896
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/123,546
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-09
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/142,574
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-07-06
;  NUMBER OF SEQ ID NOS: 91
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 22
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC19954
US-10-414-186-22

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 18;
  Best Local Similarity   88.9%;  Pred. No. 4.4e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        464 ATTGGGCTGGGGGCCTGC 481
              | |||||||||||| ||||
Db          1 ACTGGGCTGGGGGACTGC 18


RESULT 303
US-10-414-186-39
; Sequence 39, Application US/10414186
; Publication No. US20030175825A1
; GENERAL INFORMATION:
;  APPLICANT: Presnell, Scott R.
;  APPLICANT:  Conklin, Darrell C.
;  APPLICANT:  No. US20030175825A1ak, Julia E.
;  APPLICANT:  Hammond, Angela K.
;  TITLE OF INVENTION: CYTOKINE RECEPTOR ZAPLHA11
;  FILE REFERENCE: 98-55
;  CURRENT APPLICATION NUMBER: US/10/414,186
;  CURRENT FILING DATE:  2003-04-14
;  PRIOR APPLICATION NUMBER: US/09/404,641
;  PRIOR FILING DATE: 1999-09-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/100,896
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/123,546
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-09
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/142,574
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-07-06
;  NUMBER OF SEQ ID NOS: 91
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 39
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC19954
US-10-414-186-39

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 18;
  Best Local Similarity   88.9%;  Pred. No. 4.4e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        464 ATTGGGCTGGGGGCCTGC 481
              | |||||||||||| ||||
Db          1 ACTGGGCTGGGGGACTGC 18


RESULT 304
US-10-659-684-23
; Sequence 23, Application US/10659684
; Publication No. US20040110932A1
; GENERAL INFORMATION:
;  APPLICANT: Novak, Julia E.
;  APPLICANT:  Presnell, Scott R.
;  APPLICANT:  Sprecher, Cindy A.
;  APPLICANT:  Foster, Donald C.
;  APPLICANT:  Holly, Richard D.
;  APPLICANT:  Gross, Jane A.
;  APPLICANT:  Johnston, Janet V.
;  APPLICANT:  Nelson, Andrew J.
;  APPLICANT:  Dillon, Stacey R.
;  APPLICANT:  Hammond, Angela K.
;  TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
;  FILE REFERENCE: 99-16
;  CURRENT APPLICATION NUMBER: US/10/659,684
;  CURRENT FILING DATE:  2003-09-10
;  PRIOR APPLICATION NUMBER: US/09/522,217
;  PRIOR FILING DATE: 2000-03-09
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/123,547
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-09
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/123,904
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-11
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/142,013
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 115
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 23
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC19954
US-10-659-684-23

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 18;
  Best Local Similarity   88.9%;  Pred. No. 4.4e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        464 ATTGGGCTGGGGGCCTGC 481
              | |||||||||||| ||||
Db          1 ACTGGGCTGGGGGACTGC 18


RESULT 305
US-09-305-856B-79/c
; Sequence 79, Application US/09305856B
; Patent No. US20020061518A1
; GENERAL INFORMATION:
;  APPLICANT:  Penny, Laura
;  APPLICANT:  Galvin, Margaret
;  TITLE OF INVENTION:  Genotyping the Human
;  TITLE OF INVENTION:  UDP-Glucuronosyltransferase 1 (UGT1) Gene
;  FILE REFERENCE:  4389-7 (formerly SEQ-17CIP)
;  CURRENT APPLICATION NUMBER: US/09/305,856B
;  CURRENT FILING DATE:  1999-05-05
;  PRIOR APPLICATION NUMBER:  60/084,807
;  PRIOR FILING DATE:  1998-05-07
;  NUMBER OF SEQ ID NOS:  124
;  SOFTWARE:  FastSEQ for Windows Version 3.0
```

```
 SEQ ID NO 79
   LENGTH: 19
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Primer
S-09-305-856B-79

 Query Match             0.7%;  Score 14.8;  DB 1;  Length 19;
 Best Local Similarity   88.9%;  Pred. No. 4.7e+02;
 Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y       1783 AGACAAACTCCTGAAATG 1800
             | ||||||||||| ||||
b         18 AAACAAACTCCTGCAATG 1


ESULT 306
S-10-247-159-79/c
 Sequence 79, Application US/10247159
 Publication No. US20030157517A1
 GENERAL INFORMATION:
  APPLICANT: Penny, Laura
  APPLICANT:  Galvin, Margaret
  TITLE OF INVENTION: Genotyping the Human
  TITLE OF INVENTION:  UDP-Glucuronosyltransferase 1 (UGT1) Gene
  FILE REFERENCE: 4389-7 (formerly SEQ-17CIP)
  CURRENT APPLICATION NUMBER: US/10/247,159
  CURRENT FILING DATE:  2002-09-18
  PRIOR APPLICATION NUMBER: 09/305,856
  PRIOR FILING DATE: 1999-05-05
  PRIOR APPLICATION NUMBER: 60/084,807
  PRIOR FILING DATE: 1998-05-07
  NUMBER OF SEQ ID NOS: 124
  SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 79
   LENGTH: 19
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Primer
S-10-247-159-79

 Query Match             0.7%;  Score 14.8;  DB 1;  Length 19;
 Best Local Similarity   88.9%;  Pred. No. 4.7e+02;
 Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y       1783 AGACAAACTCCTGAAATG 1800
             | ||||||||||| ||||
b         18 AAACAAACTCCTGCAATG 1


ESULT 307
S-10-665-951-164
 Sequence 164, Application US/10665951
 Publication No. US20040138163A1
 GENERAL INFORMATION:
  APPLICANT: Sirna Therapeutics, Inc.
  APPLICANT:  McSwiggen, James
  APPLICANT:  Beigelman, Leonid
  APPLICANT:  Pavco, Pamela
  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
  TITLE OF INVENTION:  Growth Factor and Vascular Endothelial Growth Factor Receptor
  TITLE OF INVENTION:  Gene Expression Using Short Interfering Nucleic Acid (siNA)
  FILE REFERENCE: 400/131 (MBHB02-742-F)
  CURRENT APPLICATION NUMBER: US/10/665,951
  CURRENT FILING DATE:  2003-09-18
  PRIOR APPLICATION NUMBER: US 10/664,668
  PRIOR FILING DATE: 2003-09-18
  PRIOR APPLICATION NUMBER: PCT/US 03/05022
  PRIOR FILING DATE: 2003-02-20
  PRIOR APPLICATION NUMBER: US 60/399,348
  PRIOR FILING DATE: 2002-07-29
;  PRIOR APPLICATION NUMBER: US 60/393,796
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: US 10/287,949
;  PRIOR FILING DATE: 2002-11-04
;  PRIOR APPLICATION NUMBER: US 10/306,747
;  PRIOR FILING DATE: 2002-11-27
;  PRIOR APPLICATION NUMBER: PCT/US 02/17674
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 60/363,124
;  PRIOR FILING DATE: 2002-03-11
;  PRIOR APPLICATION NUMBER: US 60/386,782
;  PRIOR FILING DATE: 2002-06-06
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 2455
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 164
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target Sequence/siNA sense r
US-10-665-951-164

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 4.7e+02;
  Matches   15;  Conservative    1;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        473 GGGGCCTGCACCATGCAA 490
              || |||:|||||| ||||
Db          1 GGAGCCUGCACCAAGCAA 18


RESULT 308
US-10-665-951-591/c
; Sequence 591, Application US/10665951
; Publication No. US20040138163A1
; GENERAL INFORMATION:
;  APPLICANT: Sirna Therapeutics, Inc.
;  APPLICANT:  McSwiggen, James
;  APPLICANT:  Beigelman, Leonid
;  APPLICANT:  Pavco, Pamela
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
;  TITLE OF INVENTION:  Growth Factor and Vascular Endothelial Growth Factor Receptor
;  TITLE OF INVENTION:  Gene Expression Using Short Interfering Nucleic Acid (siNA)
;  FILE REFERENCE: 400/131 (MBHB02-742-F)
;  CURRENT APPLICATION NUMBER: US/10/665,951
;  CURRENT FILING DATE:  2003-09-18
;  PRIOR APPLICATION NUMBER: US 10/664,668
;  PRIOR FILING DATE: 2003-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 03/05022
;  PRIOR FILING DATE: 2003-02-20
;  PRIOR APPLICATION NUMBER: US 60/399,348
;  PRIOR FILING DATE: 2002-07-29
;  PRIOR APPLICATION NUMBER: US 60/393,796
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: US 10/287,949
;  PRIOR FILING DATE: 2002-11-04
;  PRIOR APPLICATION NUMBER: US 10/306,747
;  PRIOR FILING DATE: 2002-11-27
;  PRIOR APPLICATION NUMBER: PCT/US 02/17674
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 60/363,124
;  PRIOR FILING DATE: 2002-03-11
;  PRIOR APPLICATION NUMBER: US 60/386,782
;  PRIOR FILING DATE: 2002-06-06
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 2455
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 591
```

```
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
US-10-665-951-591

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 19;
  Best Local Similarity   88.9%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        473 GGGGCCTGCACCATGCAA 490
              || |||||||||| ||||
Db         19 GGAGCCTGCACCAAGCAA 2


RESULT 309
US-09-917-265-93
; Sequence 93, Application US/09917265
; Patent No. US20020052030A1
; GENERAL INFORMATION:
;  APPLICANT: Wonderling, Ramani S.
;  APPLICANT:  Boroughs, Karen L.
;  TITLE OF INVENTION: CANINE AND FELINE PROTEINS, NUCLEIC ACID MOLECULES AND USES THERE
;  FILE REFERENCE: IM-5
;  CURRENT APPLICATION NUMBER: US/09/917,265
;  CURRENT FILING DATE:  2001-07-27
;  PRIOR APPLICATION NUMBER: 60/223,016
;  PRIOR FILING DATE: 2000-08-04
;  NUMBER OF SEQ ID NOS: 109
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 93
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Primer
US-09-917-265-93

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 5.1e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        539 CCATCCTGGAACTGCTAA 556
              |||||||||  |||||||
Db          1 CCATCCTGGTCCTGCTAA 18


RESULT 310
US-09-939-581A-12/c
; Sequence 12, Application US/09939581A
; Patent No. US20020102245A1
; GENERAL INFORMATION:
;  APPLICANT: Hermeking, Heiko
;  APPLICANT:  Vogelstein, Bert
;  APPLICANT:  Kinzler, Kenneth
;  TITLE OF INVENTION: 14-3-3 SIGMA ARREST THE CELL CYCLE
;  FILE REFERENCE: 1107.77810
;  CURRENT APPLICATION NUMBER: US/09/939,581A
;  CURRENT FILING DATE:  2001-08-28
;  PRIOR APPLICATION NUMBER: 09/210,748
;  PRIOR FILING DATE: 1998-12-15
;  NUMBER OF SEQ ID NOS: 18
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 12
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: PCR PRIMER
US-09-939-581A-12

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 5.1e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1131 TGAGTACCTGGAGAAGAT 1148
              |||||||| ||||||| |
Db         18 TGAGTACCGGGAGAAGGT 1


RESULT 311
US-09-149-718-7
; Sequence 7, Application US/09149718
; Patent No. US20020104104A1
;  GENERAL INFORMATION:
;    APPLICANT:  Dora K. Games, Dale B. Schenk, Lisa C. McConlogue,
;    APPLICANT:  Peter A. Seubert, and Russell E. Rydel
;    TITLE OF INVENTION:  Method For Identifying Alzheimer's Disease
;    TITLE OF INVENTION:  Therapeutics Using Transgenic Animal Models
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Patrea L. Pabst
;      STREET:  2800 One Atlantic Center
;      STREET:  1201 West Peachtree Street
;      CITY:  Atlanta
;      STATE:  GA
;      COUNTRY:  USA
;      ZIP:  30309-3450
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/149,718
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/660,487
;      FILING DATE:
;      APPLICATION NUMBER:  08/480,653
;      FILING DATE:  June 7, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Pabst, Patrea L.
;      REGISTRATION NUMBER:  31,284
;      REFERENCE/DOCKET NUMBER:  ANS101CIP
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (404)-873-8794
;      TELEFAX:  (404)-873-8795
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-149-718-7

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 5.1e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1245 CGATGAGGACGAAGACGA 1262
              |||||| ||||| |||||
Db          2 CGATGATGACGAGGACGA 19


RESULT 312
US-09-888-049-15/c
; Sequence 15, Application US/09888049
; Patent No. US20020137215A1
; GENERAL INFORMATION:
;  APPLICANT: Francis, Kevin P.
```

```
  APPLICANT:  Purchio, Anthony F.
  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR USE THEREOF IN MODIFYING
  TITLE OF INVENTION:  THE GENOMES OF MICROORGANISMS
  FILE REFERENCE: PXE-013.USP / 9400-0013
  CURRENT APPLICATION NUMBER: US/09/888,049
  CURRENT FILING DATE:  2001-06-21
  PRIOR APPLICATION NUMBER: 60/216,257
  PRIOR FILING DATE: 2000-07-06
  PRIOR APPLICATION NUMBER: 60/274,105
  PRIOR FILING DATE: 2001-03-07
  NUMBER OF SEQ ID NOS: 20
  SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 15
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence: Primer
   OTHER INFORMATION: LuxA-Rev
S-09-888-049-15

 Query Match             0.7%;  Score 14.8;  DB 1;  Length 20;
 Best Local Similarity   88.9%;  Pred. No. 5.1e+02;
 Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y       1227 CATCCCTGAGGAGAGTGG 1244
             |||| |||||||| ||||
b         18 CATCTCTGAGGAGTGTGG 1


ESULT 313
S-09-954-556-51
 Sequence 51, Application US/09954556
 Publication No. US20030078219A1
 GENERAL INFORMATION:
  APPLICANT: Brett P. Monia
  APPLICANT:  Susan M. Freier
  APPLICANT:  Scott Cooper
  TITLE OF INVENTION: ANTISENSE MODULATION OF FIBROBLAST GROWTH FACTOR RECEPTOR 2 EXPRE
  FILE REFERENCE: RTS-0250
  CURRENT APPLICATION NUMBER: US/09/954,556
  CURRENT FILING DATE:  2001-09-14
  NUMBER OF SEQ ID NOS: 108
 SEQ ID NO 51
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
S-09-954-556-51

 Query Match             0.7%;  Score 14.8;  DB 1;  Length 20;
 Best Local Similarity   88.9%;  Pred. No. 5.1e+02;
 Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y       1926 GTTCTGTTTTCGTACCTT 1943
             || ||| ||||||||||
b          3 GTGCTGGTTTCGTACCTT 20


ESULT 314
S-09-953-047-18/c
 Sequence 18, Application US/09953047
 Publication No. US20030087854A1
 GENERAL INFORMATION:
  APPLICANT: Brett P. Monia
  APPLICANT:  Jacqueline Wyatt
  TITLE OF INVENTION: ANTISENSE MODULATION OF FIBROBLAST GROWTH FACTOR RECEPTOR 3 EXPRE
  FILE REFERENCE: RTS-0157
  CURRENT APPLICATION NUMBER: US/09/953,047
  CURRENT FILING DATE:  2001-09-10
  NUMBER OF SEQ ID NOS: 95
 SEQ ID NO 18
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-953-047-18

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 5.1e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1210 GCGATTCCTGAGGACGCC 1227
              ||| | ||||||||||||
Db         20 GCGCTGCCTGAGGACGCC 3


RESULT 315
US-09-915-814-159/c
; Sequence 159, Application US/09915814
; Publication No. US20030096771A1
; GENERAL INFORMATION:
;  APPLICANT: Madeline M. Butler
;  APPLICANT:  Andrew T. Watt
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HORMONE-SENSITIVE LIPASE EXPRESSION
;  FILE REFERENCE: ISPH-0587
;  CURRENT APPLICATION NUMBER: US/09/915,814
;  CURRENT FILING DATE:  2001-07-26
;  NUMBER OF SEQ ID NOS: 230
; SEQ ID NO 159
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-915-814-159

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 5.1e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1324 TCCGATTCTGAAGAGGAG 1341
              ||  ||||||||||||||
Db         19 TCTAATTCTGAAGAGGAG 2


RESULT 316
US-10-630-401-18/c
; Sequence 18, Application US/10630401
; Publication No. US20040048824A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF FIBROBLAST GROWTH FACTOR RECEPTOR 3 EXPRE
;  FILE REFERENCE: RTS-0157
;  CURRENT APPLICATION NUMBER: US/10/630,401
;  CURRENT FILING DATE:  2003-07-30
;  PRIOR APPLICATION NUMBER: US/09/953,047
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 95
; SEQ ID NO 18
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-630-401-18

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 5.1e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;
```

```
Qy       1210 GCGATTCCTGAGGACGCC 1227
              ||| | ||||||||||||
Db         20 GCGCTGCCTGAGGACGCC 3


RESULT 317
US-09-771-357-42/c
; Sequence 42, Application US/09771357
; Publication No. US20030017454A1
; GENERAL INFORMATION:
;  APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
;  APPLICANT:  SUKUMAR, Saraswati
;  APPLICANT:  EVRON, Ella
;  APPLICANT:  DOOLEY, William
;  APPLICANT:  DAVIDSON, Nancy
;  TITLE OF INVENTION: ABERRANTLY METHYLATED GENES AS MARKERS OF BREAST MALIGNANCY
;  FILE REFERENCE: JHU1630
;  CURRENT APPLICATION NUMBER: US/09/771,357
;  CURRENT FILING DATE:  2001-01-26
;  NUMBER OF SEQ ID NOS: 110
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 42
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: PCR primer
US-09-771-357-42

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 5.1e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1131 TGAGTACCTGGAGAAGAT 1148
              |||||||| ||||||| |
Db         18 TGAGTACCGGGAGAAGGT 1


RESULT 318
US-10-094-146-4/c
; Sequence 4, Application US/10094146
; Publication No. US20020192755A1
; GENERAL INFORMATION:
;  APPLICANT: FRANCIS, Kevin P.
;  APPLICANT:  DOYLE, Timothy C.
;  APPLICANT:  NAWOTKA, Kevin A.
;  TITLE OF INVENTION: METHODS OF SCREENING FOR INTRODUCTION OF DNA INTO A
;  TITLE OF INVENTION:  TARGET CELL
;  FILE REFERENCE: 9400-0015 / PXE-015.US
;  CURRENT APPLICATION NUMBER: US/10/094,146
;  CURRENT FILING DATE:  2002-06-10
;  PRIOR APPLICATION NUMBER: 60/274,094
;  PRIOR FILING DATE: 2001-03-07
;  PRIOR APPLICATION NUMBER: 60/292,828
;  PRIOR FILING DATE: 2001-05-22
;  NUMBER OF SEQ ID NOS: 35
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer LuxA-Rev
US-10-094-146-4

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 5.1e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1227 CATCCCTGAGGAGAGTGG 1244
              |||| |||||||| ||||
Db         18 CATCTCTGAGGAGTGTGG 1


RESULT 319
US-10-076-069-8
; Sequence 8, Application US/10076069
; Publication No. US20020177214A1
; GENERAL INFORMATION:
;  APPLICANT: JURECIC, ROLAND
;  APPLICANT:  NACHTMAN, RONALD
;  TITLE OF INVENTION: HEPP, A NOVEL GENE WITH A ROLE IN HEMATOPOIETIC AND NEURAL DEVEL(
;  FILE REFERENCE: 39532-176599
;  CURRENT APPLICATION NUMBER: US/10/076,069
;  CURRENT FILING DATE:  2002-02-15
;  PRIOR APPLICATION NUMBER: US 60/268,923
;  PRIOR FILING DATE: 2001-02-16
;  NUMBER OF SEQ ID NOS: 11
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: synthetic construct
US-10-076-069-8

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 5.1e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1851 GAAGGGGTGGCTGGGTCT 1868
              ||||| ||||| ||||||
Db          2 GAAGGAGTGGCGGGGTCT 19


RESULT 320
US-10-216-484-165
; Sequence 165, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
;  APPLICANT: Serizawa, No. US20030103976A1ufusa
;  APPLICANT:  Haruyama, Hideyuki
;  APPLICANT:  Nakahara, Kaori
;  APPLICANT:  Tamaki, Ikuko
;  APPLICANT:  Takahashi, Tohru
;  TITLE OF INVENTION: Anti-Fas Antibodies
;  FILE REFERENCE: 980126CIP/HG
;  CURRENT APPLICATION NUMBER: US/10/216,484
;  CURRENT FILING DATE:  2002-08-09
;  PRIOR APPLICATION NUMBER: US/09/499,662
;  PRIOR FILING DATE: 2000-02-09
;  PRIOR APPLICATION NUMBER: US 09/053,583
;  PRIOR FILING DATE: 1998-04-01
;  NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 165
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Sequencing
;   OTHER INFORMATION: primer for a DNA encoding the heavy chain of
;   OTHER INFORMATION: humanized anti-Fas antibody
US-10-216-484-165

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 5.1e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1657 AGCTCAGGGCAGCTGTGC 1674
              ||| |||||| |||||||
Db          3 AGCCCAGGGCCGCTGTGC 20


RESULT 321
US-10-059-579-42/c
; Sequence 42, Application US/10059579
; Publication No. US20030138783A1
```

```
 GENERAL INFORMATION:
  APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
  APPLICANT:  SUKUMAR, Saraswati
  APPLICANT:  EVRON, Ella
  APPLICANT:  DOOLEY, William C.
  APPLICANT:  DAVIDSON, Nancy
  APPLICANT:  FACKLER, Mary Jo.
  TITLE OF INVENTION: ABERRANTLY METHYLATED GENES AS MARKERS OF BREAST MALIGNANCY
  FILE REFERENCE: JHU1630-1
  CURRENT APPLICATION NUMBER: US/10/059,579
  CURRENT FILING DATE:  2003-02-03
  PRIOR APPLICATION NUMBER: US 09/771,357
  PRIOR FILING DATE: 2001-01-26
  NUMBER OF SEQ ID NOS: 136
  SOFTWARE: PatentIn version 3.1
 SEQ ID NO 42
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: PCR primer
S-10-059-579-42

 Query Match             0.7%;  Score 14.8;  DB 1;  Length 20;
 Best Local Similarity   88.9%;  Pred. No. 5.1e+02;
 Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y       1131 TGAGTACCTGGAGAAGAT 1148
             |||||||| ||||||| |
o         18 TGAGTACCGGGAGAAGGT 1


ESULT 322
S-10-384-933-165
 Sequence 165, Application US/10384933
 Publication No. US20030170817A1
 GENERAL INFORMATION:
  APPLICANT: Serizawa, No. US20030170817Alufusa
  APPLICANT:  Haruyama, Hideyuki
  APPLICANT:  Nakahara, Kaori
  APPLICANT:  Tamaki, Ikuko
  APPLICANT:  Takahashi, Tohru
  TITLE OF INVENTION: Anti-Fas Antibodies
  FILE REFERENCE: 980126CIP/HG
  CURRENT APPLICATION NUMBER: US/10/384,933
  CURRENT FILING DATE:  2003-02-05
  PRIOR APPLICATION NUMBER: US/09/499,662
  PRIOR FILING DATE: 2000-02-09
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
  NUMBER OF SEQ ID NOS: 165
 SEQ ID NO 165
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence: Sequencing
   OTHER INFORMATION: primer for a DNA encoding the heavy chain of
   OTHER INFORMATION: humanized anti-Fas antibody
S-10-384-933-165

 Query Match             0.7%;  Score 14.8;  DB 1;  Length 20;
 Best Local Similarity   88.9%;  Pred. No. 5.1e+02;
 Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y       1657 AGCTCAGGGCAGCTGTGC 1674
             ||| |||||| |||||||
b          3 AGCCCAGGGCCGCTGTGC 20


ESULT 323
S-10-176-277-14/c
 Sequence 14, Application US/10176277
; Publication No. US20030232443A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CENTROMERE PROTEIN B EXPRESSION
;  FILE REFERENCE: HTS-0022
;  CURRENT APPLICATION NUMBER: US/10/176,277
;  CURRENT FILING DATE:  2002-06-18
;  NUMBER OF SEQ ID NOS: 77
; SEQ ID NO 14
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-176-277-14

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 5.1e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1246 GATGAGGACGAAGACGAC 1263
              ||||| || |||||||||
Db         20 GATGAAGATGAAGACGAC 3


RESULT 324
US-10-176-277-51
; Sequence 51, Application US/10176277
; Publication No. US20030232443A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CENTROMERE PROTEIN B EXPRESSION
;  FILE REFERENCE: HTS-0022
;  CURRENT APPLICATION NUMBER: US/10/176,277
;  CURRENT FILING DATE:  2002-06-18
;  NUMBER OF SEQ ID NOS: 77
; SEQ ID NO 51
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-176-277-51

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 5.1e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1246 GATGAGGACGAAGACGAC 1263
              ||||| || |||||||||
Db          1 GATGAAGATGAAGACGAC 18


RESULT 325
US-10-289-762-1656/c
; Sequence 1656, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 1656
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-1656
```

```
  Query Match             0.7%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 5.1e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         59 GCAAGATGGCGCAGACGC 76
              ||||||||||| |||||
Db         19 GCAAGATGGCGTTGACGC 2


RESULT 326
US-10-289-762-6144/c
; Sequence 6144, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 6144
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-6144

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 5.1e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        519 CGTCAATGATATCGTCTT 536
              | ||||||||||||| |||
Db         20 CATCAATGATATCGCCTT 3


RESULT 327
US-10-280-183A-324/c
; Sequence 324, Application US/10280183A
; Publication No. US20040081964A1
; GENERAL INFORMATION:
;  APPLICANT: Pfizer Inc.
;  APPLICANT:  Bachmanov, Alexander A
;  APPLICANT:  Beauchamp, Gary K.
;  APPLICANT:  Chatterjee, Aurobindo
;  APPLICANT:  De  Jong, Pieter J.
;  APPLICANT:  Li, Shanru
;  APPLICANT:  Li, Xia
;  APPLICANT:  Ohmen, Jeffrey D
;  APPLICANT:  Reed, Danielle R.
;  APPLICANT:  Ross, David
;  APPLICANT:  Tordoff, Michael G.
;  TITLE OF INVENTION: GENE AND SEQUENCE VARIATION ASSOCIATED WITH SENSING
;  TITLE OF INVENTION:  CARBOHYDRATE COMPOUNDS AND OTHER SWEETNERS
;  FILE REFERENCE: PC18306A
;  CURRENT APPLICATION NUMBER: US/10/280,183A
;  CURRENT FILING DATE:  2002-10-25
;  PRIOR APPLICATION NUMBER: 60/200,794
;  PRIOR FILING DATE: 2000-04-28
;  NUMBER OF SEQ ID NOS: 652
;  SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 324
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Mouse
US-10-280-183A-324

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 5.1e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1086 CAAGCTCCACATCAGTCC 1103
              ||||| ||||||||||
Db         19 CAAGCCACACATCAGTCC 2


RESULT 328
US-10-300-820-88
; Sequence 88, Application US/10300820
; Publication No. US20040097452A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF KALLIKREIN 6 EXPRESSION
;  FILE REFERENCE: RTS-0444
;  CURRENT APPLICATION NUMBER: US/10/300,820
;  CURRENT FILING DATE:  2002-11-19
;  NUMBER OF SEQ ID NOS: 162
; SEQ ID NO 88
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-300-820-88

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 5.1e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        234 CAAAGCCAATGCTGAGGA 251
              || ||||||||| |||||
Db          2 CAGAGCCAATGCGGAGGA 19


RESULT 329
US-10-300-820-160/c
; Sequence 160, Application US/10300820
; Publication No. US20040097452A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF KALLIKREIN 6 EXPRESSION
;  FILE REFERENCE: RTS-0444
;  CURRENT APPLICATION NUMBER: US/10/300,820
;  CURRENT FILING DATE:  2002-11-19
;  NUMBER OF SEQ ID NOS: 162
; SEQ ID NO 160
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-300-820-160

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 5.1e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        234 CAAAGCCAATGCTGAGGA 251
              || ||||||||| |||||
Db         19 CAGAGCCAATGCGGAGGA 2


RESULT 330
US-10-304-107-20/c
; Sequence 20, Application US/10304107
; Publication No. US20040101855A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF PPAR BINDING PROTEIN EXPRESSION
;  FILE REFERENCE: RTS-0433
;  CURRENT APPLICATION NUMBER: US/10/304,107
;  CURRENT FILING DATE:  2002-11-22
;  NUMBER OF SEQ ID NOS: 148
; SEQ ID NO 20
;   LENGTH: 20
```

TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
S-10-304-107-20

Query Match 0.7%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 5.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

y 1892 GGCTCCTAAAGTAACATC 1909
||||| ||||||||||
b 20 GGCTCTCAAAGTAACATC 3

ESULT 331
S-10-688-706-2784/c
Sequence 2784, Application US/10688706
Publication No. US20040102412A1
GENERAL INFORMATION:
APPLICANT: Pharmacia Corp.
APPLICANT: Broschat, Kay
TITLE OF INVENTION: ANTISENSE MODULATION OF GFAT EXPRESSION
FILE REFERENCE: 01393/1
CURRENT APPLICATION NUMBER: US/10/688,706
CURRENT FILING DATE: 2003-10-17
PRIOR APPLICATION NUMBER: 60/419,268
PRIOR FILING DATE: 2002-10-17
NUMBER OF SEQ ID NOS: 3071
SOFTWARE: PatentIn version 3.2
SEQ ID NO 2784
LENGTH: 20
TYPE: DNA
ORGANISM: artificial
FEATURE:
OTHER INFORMATION: human GFAT antisense
S-10-688-706-2784

Query Match 0.7%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 5.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

y 411 TTCTGTGGCAAGTGCTGT 428
||||| ||||||||||
b 19 TTCTGATGCAAGTGCTGT 2

ESULT 332
S-10-316-389-76
Sequence 76, Application US/10316389
Publication No. US20040110699A1
GENERAL INFORMATION:
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF ABCC2 EXPRESSION
FILE REFERENCE: RTS-0382
CURRENT APPLICATION NUMBER: US/10/316,389
CURRENT FILING DATE: 2002-12-10
NUMBER OF SEQ ID NOS: 143
SEQ ID NO 76
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
S-10-316-389-76

Query Match 0.7%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 5.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

y 1322 TCTCCGATTCTGAAGAGG 1339
||| ||||||||||||
b 1 TCTAAGATTCTGAAGAGG 18

RESULT 333
US-10-316-389-136/c
; Sequence 136, Application US/10316389
; Publication No. US20040110699A1
; GENERAL INFORMATION:
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF ABCC2 EXPRESSION
; FILE REFERENCE: RTS-0382
; CURRENT APPLICATION NUMBER: US/10/316,389
; CURRENT FILING DATE: 2002-12-10
; NUMBER OF SEQ ID NOS: 143
; SEQ ID NO 136
; LENGTH: 20
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
US-10-316-389-136

Query Match 0.7%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 5.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1322 TCTCCGATTCTGAAGAGG 1339
||| ||||||||||||
Db 20 TCTAAGATTCTGAAGAGG 3

RESULT 334
US-10-317-249-61/c
; Sequence 61, Application US/10317249
; Publication No. US20040110155A1
; GENERAL INFORMATION:
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Tamara Balac Sipes
; TITLE OF INVENTION: MODULATION OF SLC26A2 EXPRESSION
; FILE REFERENCE: RTS-0460
; CURRENT APPLICATION NUMBER: US/10/317,249
; CURRENT FILING DATE: 2002-12-10
; NUMBER OF SEQ ID NOS: 164
; SEQ ID NO 61
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-317-249-61

Query Match 0.7%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 5.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1472 CAGAAGCCAAAGGGGTCA 1489
|||||||||||| | |||
Db 18 CAGAAGCCAAAGAGTTCA 1

RESULT 335
US-10-317-249-138
; Sequence 138, Application US/10317249
; Publication No. US20040110155A1
; GENERAL INFORMATION:
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Tamara Balac Sipes
; TITLE OF INVENTION: MODULATION OF SLC26A2 EXPRESSION
; FILE REFERENCE: RTS-0460
; CURRENT APPLICATION NUMBER: US/10/317,249
; CURRENT FILING DATE: 2002-12-10
; NUMBER OF SEQ ID NOS: 164
; SEQ ID NO 138
; LENGTH: 20
; TYPE: DNA

```
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-317-249-138

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 5.1e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1472 CAGAAGCCAAAGGGGTCA 1489
              ||||||||||||  | |||
Db          3 CAGAAGCCAAAGAGTTCA 20


RESULT 336
US-09-434-066-15/c
; Sequence 15, Application US/09434066
; Patent No. US20020035733A1
; GENERAL INFORMATION:
;  APPLICANT: Luthman, L. Holger
;  APPLICANT: Galli, L.G. Joakim
;  TITLE OF INVENTION: Congenic Animal Models of No. US20020035733A1-Insulin
;  TITLE OF INVENTION: Dependent Diabetes Mellitus
;  FILE REFERENCE: 09705/009001
;  CURRENT APPLICATION NUMBER: US/09/434,066
;  CURRENT FILING DATE: 1999-11-05
;  NUMBER OF SEQ ID NOS: 23
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
US-09-434-066-15

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 21;
  Best Local Similarity   88.9%;  Pred. No. 5.5e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1463 AGGAGAAGCCAGAAGCCA 1480
              ||  |||||  |||||||||
Db         18 AGAAGAAGACAGAAGCCA 1


RESULT 337
US-09-934-332-11
; Sequence 11, Application US/09934332
; Patent No. US20020102724A1
; GENERAL INFORMATION:
;  APPLICANT: Hidaka, Michihiro
;  APPLICANT:  Stanford, William
;  APPLICANT:  Caruana, Georgina
;  APPLICANT:  Kimura, Yuki
;  TITLE OF INVENTION: NOVEL HEMATOPOIETIC GENES AND POLYPEPTIDES
;  FILE REFERENCE: 11757.69USW1
;  CURRENT APPLICATION NUMBER: US/09/934,332
;  CURRENT FILING DATE:  2001-08-17
;  PRIOR APPLICATION NUMBER: US 60/120,972
;  PRIOR FILING DATE: 1999-02-19
;  PRIOR APPLICATION NUMBER: PCT/CA00/00171
;  PRIOR FILING DATE: 2000-02-18
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:primer
US-09-934-332-11

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 21;
  Best Local Similarity   88.9%;  Pred. No. 5.5e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1520 TCTCCAGCTCTGGCTTCC 1537
              |||  |||||  ||||||||
Db          3 TCTTCAGCTGTGGCTTCC 20


RESULT 338
US-09-992-665-185/c
; Sequence 185, Application US/09992665
; Publication No. US20030092009A1
; GENERAL INFORMATION:
;  APPLICANT: Kaia Palm
;  TITLE OF INVENTION: PROFILING TUMOR SPECIFIC MARKERS FOR THE
;  TITLE OF INVENTION:  DIAGNOSIS AND TREATMENT OF NEOPLASTIC DISEASE
;  FILE REFERENCE: CEMINES.002A
;  CURRENT APPLICATION NUMBER: US/09/992,665
;  CURRENT FILING DATE:  2001-11-13
;  PRIOR APPLICATION NUMBER: 60/249,508
;  PRIOR FILING DATE: 2000-11-16
;  NUMBER OF SEQ ID NOS: 380
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 185
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Probe
US-09-992-665-185

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 21;
  Best Local Similarity   88.9%;  Pred. No. 5.5e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1734 CATAAAGGGTGCCAGGTC 1751
              ||||  |||||  |||||||
Db         18 CATAGAGGGTCCCAGGTC 1


RESULT 339
US-09-998-027-169
; Sequence 169, Application US/09998027
; Publication No. US20030093819A1
; GENERAL INFORMATION:
;  APPLICANT: D'Andrea et al.
;  TITLE OF INVENTION: Methods and Compositions for the
;  TITLE OF INVENTION:  Diagnosis and Treatment of Cancers Associated with Defective
;  TITLE OF INVENTION:  DNA Repair Mechanisms
;  FILE REFERENCE: 2486/101
;  CURRENT APPLICATION NUMBER: US/09/998,027
;  CURRENT FILING DATE:  2001-11-02
;  NUMBER OF SEQ ID NOS: 191
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 169
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: MG787
US-09-998-027-169

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 21;
  Best Local Similarity   88.9%;  Pred. No. 5.5e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1488 CAAGGAGGAGGTCAAGTT 1505
              ||||  |  ||||||||||
Db          3 CAAGAATGAGGTCAAGTT 20


RESULT 340
US-10-618-540-34/c
; Sequence 34, Application US/10618540
; Publication No. US20040052771A1
; GENERAL INFORMATION:
```

```
  APPLICANT: Lim, Sai K.
  TITLE OF INVENTION: Hemangioblast Progenitor Cells
  FILE REFERENCE: 4810-66314
  CURRENT APPLICATION NUMBER: US/10/618,540
  CURRENT FILING DATE:  2003-07-09
  PRIOR APPLICATION NUMBER: 10/197,189
  PRIOR FILING DATE: 2002-07-12
  PRIOR APPLICATION NUMBER: 60/426,789
  PRIOR FILING DATE: 2002-11-18
  NUMBER OF SEQ ID NOS: 44
  SOFTWARE: PatentIn version 3.2
 SEQ ID NO 34
   LENGTH: 21
   TYPE: DNA
   ORGANISM: Mus musculus
S-10-618-540-34

 Query Match             0.7%;  Score 14.8;  DB 1;  Length 21;
 Best Local Similarity   88.9%;  Pred. No. 5.5e+02;
 Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y       1555 TTCTTCCCCAACCCCTCA 1572
             ||| |||||| |||||||
b         20 TTCCTCCCCATCCCCTCA 3


ESULT 341
S-09-771-357-31/c
 Sequence 31, Application US/09771357
 Publication No. US20030017454A1
 GENERAL INFORMATION:
  APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
  APPLICANT:  SUKUMAR, Saraswati
  APPLICANT:  EVRON, Ella
  APPLICANT:  DOOLEY, William
  APPLICANT:  DAVIDSON, Nancy
  TITLE OF INVENTION: ABERRANTLY METHYLATED GENES AS MARKERS OF BREAST MALIGNANCY
  FILE REFERENCE: JHU1630
  CURRENT APPLICATION NUMBER: US/09/771,357
  CURRENT FILING DATE:  2001-01-26
  NUMBER OF SEQ ID NOS: 110
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 31
   LENGTH: 21
   TYPE: DNA
   ORGANISM: Artificial sequence
   FEATURE:
   OTHER INFORMATION: Alpha -33P-labeled primer (Antisense)
S-09-771-357-31

 Query Match             0.7%;  Score 14.8;  DB 1;  Length 21;
 Best Local Similarity   88.9%;  Pred. No. 5.5e+02;
 Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y       1131 TGAGTACCTGGAGAAGAT 1148
             |||||||| ||||||| |
b         19 TGAGTACCGGGAGAAGGT 2


ESULT 342
S-10-059-579-31/c
 Sequence 31, Application US/10059579
 Publication No. US20030138783A1
 GENERAL INFORMATION:
  APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
  APPLICANT:  SUKUMAR, Saraswati
  APPLICANT:  EVRON, Ella
  APPLICANT:  DOOLEY, William C.
  APPLICANT:  DAVIDSON, Nancy
  APPLICANT:  FACKLER, Mary Jo.
  TITLE OF INVENTION: ABERRANTLY METHYLATED GENES AS MARKERS OF BREAST MALIGNANCY
  FILE REFERENCE: JHU1630-1
  CURRENT APPLICATION NUMBER: US/10/059,579
;  CURRENT FILING DATE:  2003-02-03
;  PRIOR APPLICATION NUMBER: US 09/771,357
;  PRIOR FILING DATE: 2001-01-26
;  NUMBER OF SEQ ID NOS: 136
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 31
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Alpha -33P-labeled primer (Antisense)
US-10-059-579-31

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 21;
  Best Local Similarity   88.9%;  Pred. No. 5.5e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1131 TGAGTACCTGGAGAAGAT 1148
              |||||||| ||||||| |
Db         19 TGAGTACCGGGAGAAGGT 2


RESULT 343
US-10-165-099-169
; Sequence 169, Application US/10165099
; Publication No. US20030188326A1
; GENERAL INFORMATION:
;  APPLICANT: D'Andrea, Alan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS OF CANCER SUSCEPTIBILI
;  TITLE OF INVENTION:  DEFECTIVE DNA REPAIR MECHANISMS AND TREATMENT THEREOF
;  FILE REFERENCE: 7032/2055
;  CURRENT APPLICATION NUMBER: US/10/165,099
;  CURRENT FILING DATE:  2002-06-06
;  PRIOR APPLICATION NUMBER: US 09/998,027
;  PRIOR FILING DATE: 2001-11-02
;  PRIOR APPLICATION NUMBER: US 60/245,756
;  PRIOR FILING DATE: 2000-11-03
;  NUMBER OF SEQ ID NOS: 352
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 169
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-10-165-099-169

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 21;
  Best Local Similarity   88.9%;  Pred. No. 5.5e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1488 CAAGGAGGAGGTCAAGTT 1505
              |||| | ||||||||||
Db          3 CAAGAATGAGGTCAAGTT 20


RESULT 344
US-10-349-143-10680/c
; Sequence 10680, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
```

```
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 10680
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..21
;   OTHER INFORMATION: downstream amplification primer 99-19142 for SEQ 2815, in complem
US-10-349-143-10680

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 21;
  Best Local Similarity   88.9%;  Pred. No. 5.5e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        914 GTGTGGAATTTGTCAAGA 931
              ||||||| ||| ||||||
Db         21 GTGTGGAGTTTCTCAAGA 4


RESULT 345
US-10-280-183A-326/c
; Sequence 326, Application US/10280183A
; Publication No. US20040081964A1
; GENERAL INFORMATION:
;  APPLICANT: Pfizer Inc.
;  APPLICANT:  Bachmanov, Alexander A
;  APPLICANT:  Beauchamp, Gary K.
;  APPLICANT:  Chatterjee, Aurobindo
;  APPLICANT:  De  Jong, Pieter J.
;  APPLICANT:  Li, Shanru
;  APPLICANT:  Li, Xia
;  APPLICANT:  Ohmen, Jeffrey D
;  APPLICANT:  Reed, Danielle R.
;  APPLICANT:  Ross, David
;  APPLICANT:  Tordoff, Michael G.
;  TITLE OF INVENTION: GENE AND SEQUENCE VARIATION ASSOCIATED WITH SENSING
;  TITLE OF INVENTION:  CARBOHYDRATE COMPOUNDS AND OTHER SWEETNERS
;  FILE REFERENCE: PC18306A
;  CURRENT APPLICATION NUMBER: US/10/280,183A
;  CURRENT FILING DATE:  2002-10-25
;  PRIOR APPLICATION NUMBER: 60/200,794
;  PRIOR FILING DATE: 2000-04-28
;  NUMBER OF SEQ ID NOS: 652
;  SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 326
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Mouse
US-10-280-183A-326

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 21;
  Best Local Similarity   88.9%;  Pred. No. 5.5e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1086 CAAGCTCCACATCAGTCC 1103
              |||||  ||||||||||
Db         18 CAAGCCACACATCAGTCC 1


RESULT 346
US-10-755-889-697/c
; Sequence 697, Application US/10755889
; Publication No. US20040171823A1
; GENERAL INFORMATION:
;  APPLICANT: Bristol-Myers Squibb Company
;  TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES ASSOCIATED WITH THE NF-kB
;  TITLE OF INVENTION:  PATHWAY
;  FILE REFERENCE: D0284 NP
;  CURRENT APPLICATION NUMBER: US/10/755,889
;  CURRENT FILING DATE:  2004-01-13
;  PRIOR APPLICATION NUMBER: U.S. 60/440,068
;  PRIOR FILING DATE: 2003-01-14
;  PRIOR APPLICATION NUMBER: U.S. 60/469,757
;  PRIOR FILING DATE: 2003-05-12
;  NUMBER OF SEQ ID NOS: 823
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 697
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthesized Oligonucleotide.
US-10-755-889-697

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 21;
  Best Local Similarity   88.9%;  Pred. No. 5.5e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2048 TTTTCATTTTTGTGAGCC 2065
              || ||||| |||||||||
Db         21 TTGTCATTGTTGTGAGCC 4


RESULT 347
US-09-050-516-32
; Sequence 32, Application US/09050516
; Patent No. US20010010904A1
;  GENERAL INFORMATION:
;    APPLICANT:  BILLING-MEDEL, PATRICIA
;    APPLICANT:  COHEN, MAURICE
;    APPLICANT:  COLPITTS, TRACEY L.
;    APPLICANT:  FRIEDMAN, PAULA N.
;    APPLICANT:  GORDON, JULIAN
;    APPLICANT:  GRANADOS, EDWARD N.
;    APPLICANT:  HAYDEN, MARK
;    APPLICANT:  HODGES, STEVEN C.
;    APPLICANT:  KLASS, MICHAEL R.
;    APPLICANT:  KRATOCHVIL, JON D.
;    APPLICANT:  ROBERTS-RAPP, LISA
;    APPLICANT:  RUSSELL, JOHN C.
;    APPLICANT:  STROUPE, STEPHEN D.
;    TITLE OF INVENTION:  REAGENTS AND METHODS USEFUL
;    TITLE OF INVENTION:  FOR DETECTING DISEASES OF THE GASTROINTESTINAL
;    TITLE OF INVENTION:  TRACT
;    NUMBER OF SEQUENCES:  49
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60064-3500
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/050,516
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/828,855
;      FILING DATE:  31-MAR-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Becker, Cheryl L.
;      REGISTRATION NUMBER:  35,441
;      REFERENCE/DOCKET NUMBER:  6065.US.P1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  847/935-1729
;      TELEFAX:  847/938-2623
;      TELEX:
```

```
  INFORMATION FOR SEQ ID NO:  32:
    SEQUENCE CHARACTERISTICS:
      LENGTH:  22 base pairs
      TYPE:  nucleic acid
      STRANDEDNESS:  single
      TOPOLOGY:  linear
S-09-050-516-32

 Query Match             0.7%;  Score 14.8;  DB 1;  Length 22;
 Best Local Similarity   88.9%;  Pred. No. 5.9e+02;
 Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y        491 AGAAGTCCGAGGCATCTG 508
             |||||||| || ||||||
b          2 AGAAGTCCCAGTCATCTG 19


ESULT 348
S-10-072-012-1363
 Sequence 1363, Application US/10072012
 Publication No. US20040033493A1
 GENERAL INFORMATION:
  APPLICANT: Tchernev, Velizar
  APPLICANT:  Spytek, Kimberly
  APPLICANT:  Zerhusen, Bryan
  APPLICANT:  Patturajan, Meera
  APPLICANT:  Shimkets, Richard
  APPLICANT:  Li, Li
  APPLICANT:  Gangolli, Esha
  APPLICANT:  Padigaru, Muralidhara
  APPLICANT:  Anderson, David W.
  APPLICANT:  Rastelli, Luca
  APPLICANT:  Miller, Charles E.
  APPLICANT:  Gerlach, Valerie
  APPLICANT:  Taupier Jr, Raymond J.
  APPLICANT:  Gusev, Vladimir Y.
  APPLICANT:  Colman, Steven D.
  APPLICANT:  Wolenc, Adam R.
  APPLICANT:  Pena, Carol E. A
  APPLICANT:  Furtak, Katarzyna
  APPLICANT:  Grosse, William M.
  APPLICANT:  Alsobrook II, John P.
  APPLICANT:  Lepley, Denise M.
  APPLICANT:  Rieger, Daniel K.
  APPLICANT:  Burgess, Catherine E.
  TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
  FILE REFERENCE: 21402-258
  CURRENT APPLICATION NUMBER: US/10/072,012
  CURRENT FILING DATE:  2002-01-31
  PRIOR APPLICATION NUMBER: 60/265,102
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: 60/265,514
  PRIOR FILING DATE: 2001-01-31
  PRIOR APPLICATION NUMBER: 60/265,517
  PRIOR FILING DATE: 2001-01-31
  PRIOR APPLICATION NUMBER: 60/265,412
  PRIOR FILING DATE: 2001-01-31
  PRIOR APPLICATION NUMBER: 60/265,395
  PRIOR FILING DATE: 2001-01-31
  PRIOR APPLICATION NUMBER: 60/266,406
  PRIOR FILING DATE: 2001-02-02
  PRIOR APPLICATION NUMBER: 60/266,767
  PRIOR FILING DATE: 2001-02-05
  PRIOR APPLICATION NUMBER: 60/267,057
  PRIOR FILING DATE: 2001-02-07
  PRIOR APPLICATION NUMBER: 60/266,975
  PRIOR FILING DATE: 2001-02-07
  PRIOR APPLICATION NUMBER: 60/267,459
  PRIOR FILING DATE: 2001-02-08
  Remaining Prior Application data removed - See File Wrapper or PALM.
  NUMBER OF SEQ ID NOS: 1391
  SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 1363
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Ag2904 Forward
US-10-072-012-1363

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 22;
  Best Local Similarity   88.9%;  Pred. No. 5.9e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         100 TACTACTACGACGGGGAT 117
               |||| | ||||||||||
Db           2 TACTTCAACGACGGGGAT 19


RESULT 349
US-10-646-873-32
; Sequence 32, Application US/10646873
; Publication No. US20040043406A1
;   GENERAL INFORMATION:
;        APPLICANT: BILLING-MEDEL, PATRICIA
;                   COHEN, MAURICE
;                   COLPITTS, TRACEY L.
;                   FRIEDMAN, PAULA N.
;                   GORDON, JULIAN
;                   GRANADOS, EDWARD N.
;                   HAYDEN, MARK
;                   HODGES, STEVEN C.
;                   KLASS, MICHAEL R.
;                   KRATOCHVIL, JON D.
;        TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
;                            FOR DETECTING DISEASES OF THE GASTROINTESTINAL
;                            TRACT
;        NUMBER OF SEQUENCES: 49
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Abbott Laboratories
;             STREET: 100 Abbott Park Road
;             CITY: Abbott Park
;             STATE: IL
;             COUNTRY: USA
;             ZIP: 60064-3500
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Diskette
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: DOS
;             SOFTWARE: FastSEQ for Windows Version 2.0
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/646,873
;             FILING DATE: 22-Aug-2003
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/09/050,516
;             FILING DATE: 30-MAR-1998
;             APPLICATION NUMBER: 08/828,855
;             FILING DATE: 31-MAR-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Becker, Cheryl L.
;             REGISTRATION NUMBER: 35,441
;             REFERENCE/DOCKET NUMBER: 6065.US.P1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 847/935-1729
;             TELEFAX: 847/938-2623
;             TELEX: <Unknown>
;   INFORMATION FOR SEQ ID NO: 32:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 22 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-10-646-873-32
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  Query Match             0.7%;  Score 14.8;  DB 1;  Length 22;
  Best Local Similarity   88.9%;  Pred. No. 5.9e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        491 AGAAGTCCGAGGCATCTG 508
              ||||||||  ||  ||||||
Db          2 AGAAGTCCCAGTCATCTG 19


RESULT 350
US-10-278-547-32
; Sequence 32, Application US/10278547
; Publication No. US20030082619A1
;   GENERAL INFORMATION:
;        APPLICANT: BILLING-MEDEL, PATRICIA
;                   COHEN, MAURICE
;                   COLPITTS, TRACEY L.
;                   FRIEDMAN, PAULA N.
;                   GORDON, JULIAN
;                   GRANADOS, EDWARD N.
;                   HAYDEN, MARK
;                   HODGES, STEVEN C.
;                   KLASS, MICHAEL R.
;                   KRATOCHVIL, JON D.
;        TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
;                            FOR DETECTING DISEASES OF THE GASTROINTESTINAL
;                            TRACT
;        NUMBER OF SEQUENCES: 49
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Abbott Laboratories
;             STREET: 100 Abbott Park Road
;             CITY: Abbott Park
;             STATE: IL
;             COUNTRY: USA
;             ZIP: 60064-3500
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Diskette
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: DOS
;             SOFTWARE: FastSEQ for Windows Version 2.0
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/278,547
;             FILING DATE: 23-Oct-2002
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/09/050,516
;             FILING DATE: <Unknown>
;             APPLICATION NUMBER: 08/828,855
;             FILING DATE: 31-MAR-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Becker, Cheryl L.
;             REGISTRATION NUMBER: 35,441
;             REFERENCE/DOCKET NUMBER: 6065.US.P1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 847/935-1729
;             TELEFAX: 847/938-2623
;             TELEX: <Unknown>
;   INFORMATION FOR SEQ ID NO: 32:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 22 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-10-278-547-32

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 22;
  Best Local Similarity   88.9%;  Pred. No. 5.9e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        491 AGAAGTCCGAGGCATCTG 508
              ||||||||  ||  ||||||
Db          2 AGAAGTCCCAGTCATCTG 19


RESULT 351
US-10-444-748-15
; Sequence 15, Application US/10444748
; Publication No. US20040005617A1
; GENERAL INFORMATION:
;  APPLICANT: Chang, Wun-Shaing Wayne
;  APPLICANT:  Wu, Cheng-Wen
;  TITLE OF INVENTION: SERPINB13 SINGLE NUCLEOTIDE
;  TITLE OF INVENTION:  POLYMORPHISMS AND TREATMENT OF CANCER
;  FILE REFERENCE: 12563-012001
;  CURRENT APPLICATION NUMBER: US/10/444,748
;  CURRENT FILING DATE:  2003-05-23
;  PRIOR APPLICATION NUMBER: US 60/382,924
;  PRIOR FILING DATE: 2002-05-24
;  NUMBER OF SEQ ID NOS: 17
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-10-444-748-15

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 22;
  Best Local Similarity   88.9%;  Pred. No. 5.9e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1417 GACCCAGAGGAGAAGAAA 1434
              ||  ||  ||||||||||||
Db          4 GATCCTGAGGAGAAGAAA 21


RESULT 352
US-10-422-466-46
; Sequence 46, Application US/10422466
; Publication No. US20040006036A1
; GENERAL INFORMATION:
;  APPLICANT: Hu, Ji-Fan
;  APPLICANT:  Bowersox, Scott
;  TITLE OF INVENTION: Silencing transcription by methylation
;  FILE REFERENCE: 112029.00005
;  CURRENT APPLICATION NUMBER: US/10/422,466
;  CURRENT FILING DATE:  2003-04-22
;  PRIOR APPLICATION NUMBER: 09/643,128
;  PRIOR FILING DATE: 2000-08-21
;  PRIOR APPLICATION NUMBER: 60/196,749
;  PRIOR FILING DATE: 2000-04-12
;  PRIOR APPLICATION NUMBER: 60/214,148
;  PRIOR FILING DATE: 2000-06-26
;  NUMBER OF SEQ ID NOS: 77
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 46
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: modified_base
;   LOCATION: (2)..(8)
;   OTHER INFORMATION: m5c at bases 2 and 8
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: DNA inhibitor
US-10-422-466-46

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 22;
  Best Local Similarity   88.9%;  Pred. No. 5.9e+02;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1222 GACGCCATCCCTGAGGAG 1239
              ||||||  |||||||  |||
Db          3 GACGCCGTCCCTGAAGAG 20
```

ESULT 353
S-10-422-466-77
 Sequence 77, Application US/10422466
 Publication No. US20040006036A1
 GENERAL INFORMATION:
 APPLICANT: Hu, Ji-Fan
 APPLICANT: Bowersox, Scott
 TITLE OF INVENTION: Silencing transcription by methylation
 FILE REFERENCE: 112029.00005
 CURRENT APPLICATION NUMBER: US/10/422,466
 CURRENT FILING DATE: 2003-04-22
 PRIOR APPLICATION NUMBER: 09/643,128
 PRIOR FILING DATE: 2000-08-21
 PRIOR APPLICATION NUMBER: 60/196,749
 PRIOR FILING DATE: 2000-04-12
 PRIOR APPLICATION NUMBER: 60/214,148
 PRIOR FILING DATE: 2000-06-26
 NUMBER OF SEQ ID NOS: 77
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 77
 LENGTH: 22
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 NAME/KEY: modified_base
 LOCATION: (2)..(8)
 OTHER INFORMATION: m5c at bases 2 and 8
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: DNA inhibitor
S-10-422-466-77

 Query Match 0.7%; Score 14.8; DB 1; Length 22;
 Best Local Similarity 88.9%; Pred. No. 5.9e+02;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

y 1222 GACGCCATCCCTGAGGAG 1239
 |||||| ||||||| |||
b 3 GACGCCGTCCCTGAAGAG 20

ESULT 354
S-10-316-232-5
 Sequence 5, Application US/10316232
 Publication No. US20040110144A1
 GENERAL INFORMATION:
 APPLICANT: C. Frank Bennett
 APPLICANT: Nicholas M. Dean
 APPLICANT: Kenneth W. Dobie
 TITLE OF INVENTION: MODULATION OF EMAP-II EXPRESSION
 FILE REFERENCE: HTS-0074
 CURRENT APPLICATION NUMBER: US/10/316,232
 CURRENT FILING DATE: 2002-12-09
 NUMBER OF SEQ ID NOS: 72
 SEQ ID NO 5
 LENGTH: 22
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: PCR Primer
S-10-316-232-5

 Query Match 0.7%; Score 14.8; DB 1; Length 22;
 Best Local Similarity 88.9%; Pred. No. 5.9e+02;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

y 1625 AAATATCCCCAGGGACAG 1642
 ||||| ||||| ||||||
b 2 AAATAGCCCCAAGGACAG 19

ESULT 355
US-10-679-064-10
; Sequence 10, Application US/10679064
; Publication No. US20040126795A1
; GENERAL INFORMATION:
; APPLICANT: Yu, Tun-Ping
; APPLICANT: Hopkins, Nick
; APPLICANT: Sasaki, Shoji
; APPLICANT: Wang, Lizhen
; APPLICANT: Bastiaansen, John
; APPLICANT: Wilson, Eldon
; APPLICANT: Mileham, Alan
; APPLICANT: Deeb, Nader
; TITLE OF INVENTION: GENETIC MARKERS ASSOCIATED WITH SCROTAL HERNIAS IN PIGS
; FILE REFERENCE: P05787US01
; CURRENT APPLICATION NUMBER: US/10/679,064
; CURRENT FILING DATE: 2003-10-03
; PRIOR APPLICATION NUMBER: US 60/416,211
; PRIOR FILING DATE: 2002-10-03
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 10
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Sus scrofa
US-10-679-064-10

 Query Match 0.7%; Score 14.8; DB 1; Length 22;
 Best Local Similarity 88.9%; Pred. No. 5.9e+02;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1521 CTCCAGCTCTGGCTTCCT 1538
 ||||| ||||| ||||||
Db 4 CTCCACCTCTGCCTTCCT 21

RESULT 356
US-09-804-551B-89
; Sequence 89, Application US/09804551B
; Patent No. US20020056151A1
; GENERAL INFORMATION:
; APPLICANT: Bayer Aktiengesellschaft
; TITLE OF INVENTION: Receptors for peptides from insects
; FILE REFERENCE: Le A 34 394
; CURRENT APPLICATION NUMBER: US/09/804,551B
; CURRENT FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: DE 100 13 618.4
; PRIOR FILING DATE: 2000-03-18
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 89
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-804-551B-89

 Query Match 0.7%; Score 14.6; DB 1; Length 21;
 Best Local Similarity 81.0%; Pred. No. 5.9e+02;
 Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1941 CTTCCCACTGGCCTCAAGTGA 1961
 | || ||||||||| |||||
Db 1 CATCTCACTGGCCTGCAGTGA 21

RESULT 357
US-09-860-784-63
; Sequence 63, Application US/09860784
; Patent No. US20020151512A1
; GENERAL INFORMATION:
; APPLICANT: PEYMAN, Anuschirwan
; UHLMANN, Eugen

```
;       TITLE OF INVENTION: G CAP-STABILIZED OLIGONUCLEOTIDES
;       NUMBER OF SEQUENCES: 105
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Foley & Lardner
;            STREET: 3000 K Street, N.W., Suite 500
;            CITY: Washington
;            STATE: D.C.
;            COUNTRY: USA
;            ZIP: 20007-5109
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/860,784
;            FILING DATE: 21-May-2001
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/594,452
;            FILING DATE: 04-APR-1996
;       ATTORNEY/AGENT INFORMATION:
;            NAME: SANDERCOCK, Colin G.
;            REGISTRATION NUMBER: 31,298
;            REFERENCE/DOCKET NUMBER: 18748/264/HOCE
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (202)672-5300
;            TELEFAX: (202)672-5399
;            TELEX: 904136
;   INFORMATION FOR SEQ ID NO: 63:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 21 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       SEQUENCE DESCRIPTION: SEQ ID NO: 63:
US-09-860-784-63

  Query Match             0.7%;  Score 14.6;  DB 1;  Length 21;
  Best Local Similarity   81.0%;  Pred. No. 5.9e+02;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1854 GGGGTGGCTGGGTCTTCAAGG 1874
             |||||| | ||||||||  ||
Db          1 GGGGTGCCGGGGTCTTCGGGG 21


RESULT 358
US-09-766-450-14
; Sequence 14, Application US/09766450
; Publication No. US20030022166A1
; GENERAL INFORMATION:
;  APPLICANT: Collins, Colin
;  APPLICANT:  Volik, Stanislav
;  APPLICANT:  Gray, Joe W.
;  APPLICANT:  Albertson, Donna G.
;  APPLICANT:  Pinkel, Daniel
;  APPLICANT:  The Regents of the University of California
;  TITLE OF INVENTION: Repeat-Free Probes for Molecular
;  TITLE OF INVENTION:  Cytogenetics
;  FILE REFERENCE: 02307I-111800US
;  CURRENT APPLICATION NUMBER: US/09/766,450
;  CURRENT FILING DATE:  2001-01-19
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 14
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer 748329.1.r1
US-09-766-450-14

  Query Match             0.7%;  Score 14.6;  DB 1;  Length 21;
  Best Local Similarity   81.0%;  Pred. No. 5.9e+02;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        884 TCAATCTAACTATCAAAGGAC 904
              || ||| | || |||||||||
Db          1 TCGATCAAGCTTTCAAAGGAC 21


RESULT 359
US-09-932-300-109
; Sequence 109, Application US/09932300
; Publication No. US20030032788A1
; GENERAL INFORMATION:
;  APPLICANT: GARVER, Eric
;  APPLICANT:  TU, Guang-Chou
;  APPLICANT:  ISRAEL, Yedy
;  TITLE OF INVENTION: METHODS OF INHIBITING ALCOHOL CONSUMPTION
;  FILE REFERENCE: 9855-3U2
;  CURRENT APPLICATION NUMBER: US/09/932,300
;  CURRENT FILING DATE:  2001-08-20
;  PRIOR APPLICATION NUMBER: US 60/051,705
;  PRIOR FILING DATE: 1997-07-03
;  PRIOR APPLICATION NUMBER: US 09/109,663
;  PRIOR FILING DATE: 1998-07-02
;  NUMBER OF SEQ ID NOS: 111
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 109
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Complement of
;   OTHER INFORMATION: human anti-ALDH2 ASO
US-09-932-300-109

  Query Match             0.7%;  Score 14.6;  DB 1;  Length 21;
  Best Local Similarity   81.0%;  Pred. No. 5.9e+02;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1476 AGCCAAAGGGGTCAAGGAGGA 1496
              |||  |||||| |||||| ||
Db          1 AGCTGAAGGGGACAAGGAAGA 21


RESULT 360
US-09-932-300-111/c
; Sequence 111, Application US/09932300
; Publication No. US20030032788A1
; GENERAL INFORMATION:
;  APPLICANT: GARVER, Eric
;  APPLICANT:  TU, Guang-Chou
;  APPLICANT:  ISRAEL, Yedy
;  TITLE OF INVENTION: METHODS OF INHIBITING ALCOHOL CONSUMPTION
;  FILE REFERENCE: 9855-3U2
;  CURRENT APPLICATION NUMBER: US/09/932,300
;  CURRENT FILING DATE:  2001-08-20
;  PRIOR APPLICATION NUMBER: US 60/051,705
;  PRIOR FILING DATE: 1997-07-03
;  PRIOR APPLICATION NUMBER: US 09/109,663
;  PRIOR FILING DATE: 1998-07-02
;  NUMBER OF SEQ ID NOS: 111
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 111
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Human
;   OTHER INFORMATION: anti-ALDH2 ASO
US-09-932-300-111

  Query Match             0.7%;  Score 14.6;  DB 1;  Length 21;
```

```
 Best Local Similarity   81.0%;  Pred. No. 5.9e+02;
 Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

y       1476 AGCCAAAGGGGTCAAGGAGGA 1496
             |||  |||||| |||||| ||
b         21 AGCTGAAGGGGACAAGGAAGA 1


ESULT 361
'S-10-005-956-520/c
 Sequence 520, Application US/10005956
 Publication No. US20030113726A1
 GENERAL INFORMATION:
  APPLICANT: Bristol-Myers Squibb Company
  TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
  FILE REFERENCE: D0053NP
  CURRENT APPLICATION NUMBER: US/10/005,956
  CURRENT FILING DATE:  2001-12-03
  PRIOR APPLICATION NUMBER: 60/251,015
  PRIOR FILING DATE: 2000-12-04
  PRIOR APPLICATION NUMBER: 60/263,678
  PRIOR FILING DATE: 2001-01-23
  PRIOR APPLICATION NUMBER: 60/273,037
  PRIOR FILING DATE: 2001-03-02
  NUMBER OF SEQ ID NOS: 1579
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 520
   LENGTH: 21
   TYPE: DNA
   ORGANISM: homo sapiens
S-10-005-956-520

 Query Match             0.7%;  Score 14.6;  DB 1;  Length 21;
 Best Local Similarity   81.0%;  Pred. No. 5.9e+02;
 Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

y       1489 AAGGAGGAGGTCAAGTTGGCC 1509
             ||| |||||| ||||| | ||
b         21 AAGAAGGAGGACAAGTGGACC 1


ESULT 362
'S-10-386-243-6
 Sequence 6, Application US/10386243
 Publication No. US20030232749A1
 GENERAL INFORMATION:
  APPLICANT: Renzi, Michael
  APPLICANT:  Thirumalai, Navneeth
  APPLICANT:  Joliffe, Linda
  APPLICANT:  Farrell, Francis
  TITLE OF INVENTION: Methods for SHP1 Mediated Neuroprotection
  FILE REFERENCE: ORT-1611
  CURRENT APPLICATION NUMBER: US/10/386,243
  CURRENT FILING DATE:  2003-03-11
  PRIOR APPLICATION NUMBER: US 60/363,440
  PRIOR FILING DATE: 2002-03-11
  NUMBER OF SEQ ID NOS: 6
  SOFTWARE: PatentIn version 3.1
 SEQ ID NO 6
   LENGTH: 21
   TYPE: DNA
   ORGANISM: artificial sequence
   FEATURE:
   OTHER INFORMATION: oligonucleotide primer
'S-10-386-243-6

 Query Match             0.7%;  Score 14.6;  DB 1;  Length 21;
 Best Local Similarity   81.0%;  Pred. No. 5.9e+02;
 Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

y       1135 TACCTGGAGAAGATCAAACAG 1155
             | ||||||  ||||||| |||
b          1 TTCCTGGACCAGATCAACCAG 21


RESULT 363
US-10-349-143-9046
; Sequence 9046, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 9046
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..21
;   OTHER INFORMATION: downstream amplification primer 99-2094 for SEQ 1181, in compleme
US-10-349-143-9046

  Query Match             0.7%;  Score 14.6;  DB 1;  Length 21;
  Best Local Similarity   81.0%;  Pred. No. 5.9e+02;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1405 GAAAAAGAGAAAGACCCAGAG 1425
              || || ||||| |||||| ||
Db          1 GATAATGAGAAGGACCCAAAG 21


RESULT 364
US-10-444-795B-484
; Sequence 484, Application US/10444795B
; Publication No. US20040077574A1
; GENERAL INFORMATION:
;  APPLICANT: Klinghoffer, Richard
;  APPLICANT:  Lewis, Stephen Patrick
;  TITLE OF INVENTION: MODULATION OF BIOLOGICAL SIGNAL
;  TITLE OF INVENTION:  TRANSDUCTION BY RNA INTERFERENCE
;  FILE REFERENCE: 200125.449
;  CURRENT APPLICATION NUMBER: US/10/444,795B
;  CURRENT FILING DATE:  2003-05-23
;  NUMBER OF SEQ ID NOS: 842
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 484
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Small interfering RNA - cdc25C.3
US-10-444-795B-484

  Query Match             0.7%;  Score 14.6;  DB 1;  Length 21;
  Best Local Similarity   71.4%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    2;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1963 CCAAGAAACACTGCCTGCCCT 1983
              || ||||||| :| |:||| |
Db          1 CCCAGAAACAGUGGCUGCCTT 21
```

```
RESULT 365
US-10-646-436-51
; Sequence 51, Application US/10646436
; Publication No. US20040096882A1
; GENERAL INFORMATION:
;  APPLICANT: Jansen, Burkhard
;  APPLICANT:  Gleave, Martin
;  APPLICANT:  Signaevsky, Maxim
;  APPLICANT:  Beraldi, Eliana
;  APPLICANT:  Trougakos, Ioannis
;  APPLICANT:  Gonos, Efstathios
;  TITLE OF INVENTION: RNAi Probes Targeting Cancer-Related Proteins
;  FILE REFERENCE: UBC.P-030
;  CURRENT APPLICATION NUMBER: US/10/646,436
;  CURRENT FILING DATE:  2003-08-21
;  PRIOR APPLICATION NUMBER: US 60/405,193
;  PRIOR FILING DATE: 2002-08-21
;  PRIOR APPLICATION NUMBER: US 60/408,152
;  PRIOR FILING DATE: 2002-09-03
;  PRIOR APPLICATION NUMBER: US 60/473,387
;  PRIOR FILING DATE: 2003-05-20
;  NUMBER OF SEQ ID NOS: 68
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 51
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: RNAi for human b-raf
US-10-646-436-51

  Query Match             0.7%;  Score 14.6;  DB 1;  Length 21;
  Best Local Similarity   52.4%;  Pred. No. 5.9e+02;
  Matches   11;  Conservative    6;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        860 TATCTGGGGATCGGTTAGGTT 880
              : :|:|||| :|||::  |||
Db          1 UCUCUGGGGUUCGGUUCUGTT 21


RESULT 366
US-10-633-008-35/c
; Sequence 35, Application US/10633008
; Publication No. US20040120957A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi, Avi J.
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Napier, Mary A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Van Lookren, Menno
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: USE OF A33 ANTIGENS AND JAM-IT
;  FILE REFERENCE: 39766/0100P1
;  CURRENT APPLICATION NUMBER: US/10/633,008
;  CURRENT FILING DATE:  2003-07-31
;  PRIOR APPLICATION NUMBER: US/10/265,542
;  PRIOR FILING DATE: 2002-10-03
;  PRIOR APPLICATION NUMBER: PCT/US00/04414
;  PRIOR FILING DATE: 2000-02-22
;  PRIOR APPLICATION NUMBER: PCT/US00/14042
;  PRIOR FILING DATE: 2000-05-22
;  PRIOR APPLICATION NUMBER: PCT/US00/32678
;  PRIOR FILING DATE: 2000-12-01
;  PRIOR APPLICATION NUMBER: US/09/254,465
;  PRIOR FILING DATE: 1999-03-05
;  PRIOR APPLICATION NUMBER: PCT/US99/05028
;  PRIOR FILING DATE: 1999-03-08
;  NUMBER OF SEQ ID NOS: 36
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 35
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic oligonucloetide primer
US-10-633-008-35

  Query Match             0.7%;  Score 14.6;  DB 1;  Length 21;
  Best Local Similarity   81.0%;  Pred. No. 5.9e+02;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1013 CTGTGGCCCTGGATACGGAGA 1033
              |||||| | |||| || ||||
Db         21 CTGTGGGCTTGGAGACAGAGA 1


RESULT 367
US-09-931-087A-25/c
; Sequence 25, Application US/09931087A
; Patent No. US20020147322A1
; GENERAL INFORMATION:
;  APPLICANT: Genentech, Inc.
;  TITLE OF INVENTION: NSP Molecules
;  FILE REFERENCE: P1223R1E
;  CURRENT APPLICATION NUMBER: US/09/931,087A
;  CURRENT FILING DATE:  2001-08-15
;  PRIOR APPLICATION NUMBER: 09/367,206
;  PRIOR FILING DATE: 1999-08-09
;  PRIOR APPLICATION NUMBER: US 60/082,767
;  PRIOR FILING DATE: 1998-04-23
;  PRIOR APPLICATION NUMBER: US 60/113,296
;  PRIOR FILING DATE: 1998-12-22
;  NUMBER OF SEQ ID NOS: 35
; SEQ ID NO 25
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide Probe
US-09-931-087A-25

  Query Match             0.7%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 6.4e+02;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1420 CCAGAGGAGAAGAAAGAAGTC 1440
              ||||| ||||  |||| ||||
Db         22 CCAGAAGAGACCAAAGGAGTC 2


RESULT 368
US-09-789-390-54
; Sequence 54, Application US/09789390
; Publication No. US20030059768A1
; GENERAL INFORMATION:
;  APPLICANT: Vernet, Corine
;  APPLICANT:  Fernandes, Elma
;  APPLICANT:  MacDougall, John
;  APPLICANT:  Shimkets, Richard A
;  APPLICANT:  Spaderna, Steven K
;  TITLE OF INVENTION: NOVEL POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
;  FILE REFERENCE: 15966-692
;  CURRENT APPLICATION NUMBER: US/09/789,390
;  CURRENT FILING DATE:  2001-02-23
;  PRIOR APPLICATION NUMBER: 60/185,548
;  PRIOR FILING DATE: 2000-02-28
;  PRIOR APPLICATION NUMBER: 60/199,957
;  PRIOR FILING DATE: 2000-04-27
;  PRIOR APPLICATION NUMBER: 60/184,951
;  PRIOR FILING DATE: 2000-02-25
;  PRIOR APPLICATION NUMBER: 60/185,967
;  PRIOR FILING DATE: 2000-03-01
;  PRIOR APPLICATION NUMBER: 60/197,723
;  PRIOR FILING DATE: 2000-04-18
```

```
  NUMBER OF SEQ ID NOS: 77
  SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 54
   LENGTH: 22
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence: Ag756 PCR
   OTHER INFORMATION: Probe Primer
S-09-789-390-54

 Query Match             0.7%;  Score 14.6;  DB 1;  Length 22;
 Best Local Similarity   81.0%;  Pred. No. 6.4e+02;
 Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

y       1017 GGCCCTGGATACGGAGATCCC 1037
             |||| |||   ||||||||||
b          2 GGCCTTGGTCTCGGAGATCCC 22


ESULT 369
S-10-103-140-8/c
 Sequence 8, Application US/10103140
 Publication No. US20030113817A1
 GENERAL INFORMATION:
  APPLICANT: LI, Li
  APPLICANT:  LI, V. Yang
  TITLE OF INVENTION: Hemogen-EDAG: No. US20030113817A1el Nuclear Factors Expressed in
  TITLE OF INVENTION:  Development
  FILE REFERENCE: 38368-179726
  CURRENT APPLICATION NUMBER: US/10/103,140
  CURRENT FILING DATE:  2002-12-30
  PRIOR APPLICATION NUMBER: US 60/277,624
  PRIOR FILING DATE: 2001-03-22
  NUMBER OF SEQ ID NOS: 11
  SOFTWARE: PatentIn version 3.1
 SEQ ID NO 8
   LENGTH: 22
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Primer
S-10-103-140-8

 Query Match             0.7%;  Score 14.6;  DB 1;  Length 22;
 Best Local Similarity   81.0%;  Pred. No. 6.4e+02;
 Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

y        392 GTCAGTTGTCTACTGGTGGTT 412
             ||||| |||||  ||||| ||
b         21 GTCAGGTGTCTGATGGTGCTT 1


ESULT 370
S-10-138-842A-28/c
 Sequence 28, Application US/10138842A
 Publication No. US20030148390A1
 GENERAL INFORMATION:
  APPLICANT: GONSALVES, DENNIS
  APPLICANT:  LING, KAI-SHU
  TITLE OF INVENTION: GRAPEVINE LEAFROLL VIRUS PROTEINS AND
  TITLE OF INVENTION:  THEIR USES
  FILE REFERENCE: 07678/025006
  CURRENT APPLICATION NUMBER: US/10/138,842A
  CURRENT FILING DATE:  2002-05-03
  PRIOR APPLICATION NUMBER: US 09/579,259
  PRIOR FILING DATE: 2000-05-25
  PRIOR APPLICATION NUMBER: US 09/224,898
  PRIOR FILING DATE: 1998-12-31
  PRIOR APPLICATION NUMBER: US 08/770,544
  PRIOR FILING DATE: 1996-12-20
  PRIOR APPLICATION NUMBER: US 60/009,008
  PRIOR FILING DATE: 1995-12-21
;  NUMBER OF SEQ ID NOS: 67
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 28
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-10-138-842A-28

  Query Match             0.7%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 6.4e+02;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        291 GCGCTCCATCCGTCCAGATAA 311
              |||  |||||||||| || |||
Db         22 GCGTGCCATCCGTCAAGTTAA 2


RESULT 371
US-10-032-585-5585/c
; Sequence 5585, Application US/10032585
; Publication No. US20030180953A1
; GENERAL INFORMATION:
;  APPLICANT: Terry, Roemer D.
;  APPLICANT:  Bo, Jiang
;  APPLICANT:  Charles, Boone
;  APPLICANT:  Howard, Bussey
;  TITLE OF INVENTION: Gene Disruption Methodologies for Drug Target Discovery
;  FILE REFERENCE: 10182-005-999
;  CURRENT APPLICATION NUMBER: US/10/032,585
;  CURRENT FILING DATE:  2001-12-20
;  NUMBER OF SEQ ID NOS: 8000
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5585
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Candida albicans
US-10-032-585-5585

  Query Match             0.7%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 6.4e+02;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1242 TGGCGATGAGGACGAAGACGA 1262
              || |||||| || || |||||
Db         22 TGACGATGACGATGATGACGA 2


RESULT 372
US-10-062-923-25/c
; Sequence 25, Application US/10062923
; Publication No. US20030191283A1
; GENERAL INFORMATION:
;  APPLICANT: Stewart, Timothy A.
;  APPLICANT:  Lu, Yanmei
;  TITLE OF INVENTION: NSP Molecules
;  FILE REFERENCE: P1223R1
;  CURRENT APPLICATION NUMBER: US/10/062,923
;  CURRENT FILING DATE:  2002-01-31
;  PRIOR APPLICATION NUMBER: US/09/298,404
;  PRIOR FILING DATE: 1999-04-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,767
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/113,296
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-22
;  NUMBER OF SEQ ID NOS: 35
; SEQ ID NO 25
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Artificial Sequence 1-22
```

US-10-062-923-25

Query Match 0.7%; Score 14.6; DB 1; Length 22;
Best Local Similarity 81.0%; Pred. No. 6.4e+02;
Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1420 CCAGAGGAGAAGAAAGAAGTC 1440
||||| |||| |||| ||||
Db 22 CCAGAAGAGACCAAAGGAGTC 2

RESULT 373
US-10-039-112-28/c
; Sequence 28, Application US/10039112
; Publication No. US20030198942A1
; GENERAL INFORMATION:
; APPLICANT: Gonsalves, Dennis
; Ling, Kai-Shu
; TITLE OF INVENTION: GRAPEVINE LEAFROLL VIRUS
; PROTEINS AND THEIR USES
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
; STREET: Clinton Square, P.O. Box 1051
; CITY: Rochester
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 14603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/039,112
; FILING DATE: 31-Dec-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60009008
; FILING DATE: 21-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldman, Michael L.
; REGISTRATION NUMBER: 30,727
; REFERENCE/DOCKET NUMBER: 19603/621
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (716) 263-1304
; TELEFAX: (716) 263-1600
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 28:
US-10-039-112-28

Query Match 0.7%; Score 14.6; DB 1; Length 22;
Best Local Similarity 81.0%; Pred. No. 6.4e+02;
Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 291 GCGCTCCATCCGTCCAGATAA 311
||| ||||||||| || |||
Db 22 GCGTGCCATCCGTCAAGTTAA 2

RESULT 374
US-10-095-373A-57/c
; Sequence 57, Application US/10095373A
; Publication No. US20030199022A1
; GENERAL INFORMATION:
; APPLICANT: Shapiro, David J.
; APPLICANT: Mao, Chengjian
; TITLE OF INVENTION: A TAMOXIFEN AND 4-HYDROXY TAMOXIFEN-ACTIVATED SYSTEM FOR REGULTA
; TITLE OF INVENTION: PRODUCTION OF PROTEINS IN EUKARYOTIC CELLS
; FILE REFERENCE: 10322.25
; CURRENT APPLICATION NUMBER: US/10/095,373A
; CURRENT FILING DATE: 2002-06-21
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 57
; LENGTH: 22
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; OTHER INFORMATION: primer oligo
US-10-095-373A-57

Query Match 0.7%; Score 14.6; DB 1; Length 22;
Best Local Similarity 81.0%; Pred. No. 6.4e+02;
Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1843 ACATTCTAGAAGGGGTGGCTG 1863
||||||||||||| | |||
Db 21 ACATTCTAGAAGGTGGACCTG 1

RESULT 375
US-10-370-749-1/c
; Sequence 1, Application US/10370749
; Publication No. US20040002587A1
; GENERAL INFORMATION:
; APPLICANT: Watkins, Jeffry D.
; APPLICANT: Allan, Barrett
; TITLE OF INVENTION: Fc Region Variants
; FILE REFERENCE: AME-07823
; CURRENT APPLICATION NUMBER: US/10/370,749
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/358,161
; PRIOR FILING DATE: 2002-02-20
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-370-749-1

Query Match 0.7%; Score 14.6; DB 1; Length 22;
Best Local Similarity 81.0%; Pred. No. 6.4e+02;
Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1561 CCCAACCCCTCAGATTTTATA 1581
|| | ||||||||| |||| |
Db 22 CCGACCCCCTCAGAGTTTAGA 2

RESULT 376
US-10-374-077-1
; Sequence 1, Application US/10374077
; Publication No. US20040006779A1
; GENERAL INFORMATION:
; APPLICANT: Fu, Ying-Hui
; Yu, Chang-En
; Oshima, Junko
; Mulligan, John T.
; Schellenberg, Gerald D.
; TITLE OF INVENTION: ANTIBODIES AGAINST GENE PRODUCTS RELATED TO
; WERNER'S SYNDROME
; NUMBER OF SEQUENCES: 209
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed Intellectual Property Law Group
; STREET: 701 Fifth Avenue, Suite 6300
; CITY: Seattle

```
            STATE: Washington
            COUNTRY: USA
            ZIP: 98104-7092
      COMPUTER READABLE FORM:
            MEDIUM TYPE: Floppy disk
            COMPUTER: IBM PC compatible
            OPERATING SYSTEM: PC-DOS/MS-DOS
            SOFTWARE: PatentIn Release #1.0, Version #1.30
      CURRENT APPLICATION DATA:
            APPLICATION NUMBER: US/10/374,077
            FILING DATE: 25-Feb-2003
            CLASSIFICATION: <Unknown>
      ATTORNEY/AGENT INFORMATION:
            NAME: Rosenman, Stephen
            REGISTRATION NUMBER: 43,058
            REFERENCE/DOCKET NUMBER: 100107.401D1
      TELECOMMUNICATION INFORMATION:
            TELEPHONE: (206) 622-4900
            TELEFAX: (206) 682-6031
   INFORMATION FOR SEQ ID NO: 1:
      SEQUENCE CHARACTERISTICS:
            LENGTH: 22 base pairs
            TYPE: nucleic acid
            STRANDEDNESS: single
            TOPOLOGY: linear
      SEQUENCE DESCRIPTION: SEQ ID NO: 1:
S-10-374-077-1

 Query Match             0.7%;  Score 14.6;  DB 1;  Length 22;
 Best Local Similarity   81.0%;  Pred. No. 6.4e+02;
 Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

y       1138 CTGGAGAAGATCAAACAGCGA 1158
             ||||  | ||||||||||  ||
b          1 CTGGCAAGGATCAAACAGAGA 21


ESULT 377
S-10-374-077-167
 Sequence 167, Application US/10374077
 Publication No. US20040006779A1
   GENERAL INFORMATION:
      APPLICANT: Fu, Ying-Hui
                 Yu, Chang-En
                 Oshima, Junko
                 Mulligan, John T.
                 Schellenberg, Gerald D.
      TITLE OF INVENTION: ANTIBODIES AGAINST GENE PRODUCTS RELATED TO
                          WERNER'S SYNDROME
      NUMBER OF SEQUENCES: 209
      CORRESPONDENCE ADDRESS:
            ADDRESSEE: Seed Intellectual Property Law Group
            STREET: 701 Fifth Avenue, Suite 6300
            CITY: Seattle
            STATE: Washington
            COUNTRY: USA
            ZIP: 98104-7092
      COMPUTER READABLE FORM:
            MEDIUM TYPE: Floppy disk
            COMPUTER: IBM PC compatible
            OPERATING SYSTEM: PC-DOS/MS-DOS
            SOFTWARE: PatentIn Release #1.0, Version #1.30
      CURRENT APPLICATION DATA:
            APPLICATION NUMBER: US/10/374,077
            FILING DATE: 25-Feb-2003
            CLASSIFICATION: <Unknown>
      ATTORNEY/AGENT INFORMATION:
            NAME: Rosenman, Stephen
            REGISTRATION NUMBER: 43,058
            REFERENCE/DOCKET NUMBER: 100107.401D1
      TELECOMMUNICATION INFORMATION:
            TELEPHONE: (206) 622-4900
            TELEFAX: (206) 682-6031
;   INFORMATION FOR SEQ ID NO: 167:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 22 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 167:
US-10-374-077-167

  Query Match             0.7%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 6.4e+02;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1138 CTGGAGAAGATCAAACAGCGA 1158
              ||||  | ||||||||||  ||
Db          1 CTGGCAAGGATCAAACAGAGA 21


RESULT 378
US-10-085-198-419/c
; Sequence 419, Application US/10085198
; Publication No. US20040009907A1
; GENERAL INFORMATION:
;  APPLICANT: Alsobrook et al.
;  TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
;  FILE REFERENCE: 21402-279
;  CURRENT APPLICATION NUMBER: US/10/085,198
;  CURRENT FILING DATE:  2002-02-25
;  PRIOR APPLICATION NUMBER: 60/271,646
;  PRIOR FILING DATE: 2001-02-26
;  PRIOR APPLICATION NUMBER: 60/276,401
;  PRIOR FILING DATE: 2001-03-16
;  PRIOR APPLICATION NUMBER: 60/311,981
;  PRIOR FILING DATE: 2001-08-13
;  PRIOR APPLICATION NUMBER: 60/312,858
;  PRIOR FILING DATE: 2001-08-16
;  PRIOR APPLICATION NUMBER: 60/271,840
;  PRIOR FILING DATE: 2001-02-27
;  PRIOR APPLICATION NUMBER: 60/277,324
;  PRIOR FILING DATE: 2001-03-20
;  PRIOR APPLICATION NUMBER: 60/286,096
;  PRIOR FILING DATE: 2001-04-21
;  PRIOR APPLICATION NUMBER: 60/299,695
;  PRIOR FILING DATE: 2001-06-20
;  PRIOR APPLICATION NUMBER: 60/315,614
;  PRIOR FILING DATE: 2001-08-29
;  PRIOR APPLICATION NUMBER: 60/272,405
;  PRIOR FILING DATE: 2001-02-28
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 653
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 419
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: oligonucleotide primer
US-10-085-198-419

  Query Match             0.7%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 6.4e+02;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1727 TTTGAACCATAAAGGGTGCCA 1747
              |||||||  || | |||||||
Db         21 TTTGAACATTAGAAGGTGCCA 1


RESULT 379
US-10-239-504-33
; Sequence 33, Application US/10239504
; Publication No. US20040132018A1
```

```
; GENERAL INFORMATION:
;  APPLICANT: NAGANO, MAKOTO
;  APPLICANT:  ITO, MAYUMI
;  APPLICANT:  SAGEHASHI, YUKIKO
;  APPLICANT:  HATTORI, HIROAKI
;  APPLICANT:  EGASHIRA, SHIZUYA
;  APPLICANT:  MATSUZAWA, YUJI
;  TITLE OF INVENTION: METHOD OF DETECTING RISK FACTOR FOR THE ONSET OF
;  TITLE OF INVENTION:  ARTERIOSCLEROSIS
;  FILE REFERENCE: Q72096
;  CURRENT APPLICATION NUMBER: US/10/239,504
;  CURRENT FILING DATE:  2003-08-06
;  PRIOR APPLICATION NUMBER: PCT/JP01/02327
;  PRIOR FILING DATE: 2001-03-23
;  PRIOR APPLICATION NUMBER: JP 2000-84264
;  PRIOR FILING DATE: 2000-03-24
;  NUMBER OF SEQ ID NOS: 48
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 33
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: primer
US-10-239-504-33

  Query Match             0.7%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 6.4e+02;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1848 CTAGAAGGGGTGGCTGGGTCT 1868
                | ||||||| || ||||| ||
Db          2 CAAGAAGGGCTGACTGGGGCT 22


RESULT 380
US-09-935-868-3/c
; Sequence 3, Application US/09935868
; Patent No. US20020164690A1
; GENERAL INFORMATION:
;  APPLICANT: Regeneron Pharmaceuticals, Inc
;  TITLE OF INVENTION: Receptor Based Antagonists, and Methods of Making and Using
;  FILE REFERENCE: REG 203D
;  CURRENT APPLICATION NUMBER: US/09/935,868
;  CURRENT FILING DATE:  2002-04-11
;  PRIOR APPLICATION NUMBER: PCT/US99/22045
;  PRIOR FILING DATE: 1999-09-22
;  NUMBER OF SEQ ID NOS: 52
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Kozak sequence
US-09-935-868-3

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 16;
  Best Local Similarity   93.8%;  Pred. No. 4.3e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        595 CACCATGGTGACGGCG 610
              ||||||||||  |||||
Db         16 CACCATGGTGGCGGCG 1


RESULT 381
US-10-287-035-3/c
; Sequence 3, Application US/10287035
; Publication No. US20030104567A1
; GENERAL INFORMATION:
;  APPLICANT: Neil Stahl and George D. Yancopoulos
;  TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
;  TITLE OF INVENTION:  AND USING
;  FILE REFERENCE: REG 203DA
;  CURRENT APPLICATION NUMBER: US/10/287,035
;  CURRENT FILING DATE:  2002-11-01
;  PRIOR APPLICATION NUMBER: USSN 09/935,868
;  PRIOR FILING DATE: 2001-08-23
;  PRIOR APPLICATION NUMBER: USSN 09/787,835
;  PRIOR FILING DATE: 2001-03-22
;  PRIOR APPLICATION NUMBER: USSN 09/313,942
;  PRIOR FILING DATE: 1999-05-19
;  PRIOR APPLICATION NUMBER: 09/313,942
;  PRIOR FILING DATE: 1999-05-19
;  PRIOR APPLICATION NUMBER: 60/101,858
;  PRIOR FILING DATE: 1998-09-25
;  NUMBER OF SEQ ID NOS: 60
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 3
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Kozak sequence
US-10-287-035-3

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 16;
  Best Local Similarity   93.8%;  Pred. No. 4.3e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        595 CACCATGGTGACGGCG 610
              ||||||||||  |||||
Db         16 CACCATGGTGGCGGCG 1


RESULT 382
US-10-282-162-3/c
; Sequence 3, Application US/10282162
; Publication No. US20030143697A1
; GENERAL INFORMATION:
;  APPLICANT: REGENERON PHARMACEUTICALS, INC.
;  TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
;  TITLE OF INVENTION:  AND USING
;  FILE REFERENCE: REG 203-B-US
;  CURRENT APPLICATION NUMBER: US/10/282,162
;  CURRENT FILING DATE:  2002-10-28
;  PRIOR APPLICATION NUMBER: 09/787,835
;  PRIOR FILING DATE: 1999-09-22
;  PRIOR APPLICATION NUMBER: PCT/US99/22045
;  PRIOR FILING DATE: 1999-09-22
;  NUMBER OF SEQ ID NOS: 56
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 3
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Kozak sequence
US-10-282-162-3

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 16;
  Best Local Similarity   93.8%;  Pred. No. 4.3e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        595 CACCATGGTGACGGCG 610
              ||||||||||  |||||
Db         16 CACCATGGTGGCGGCG 1


RESULT 383
US-10-138-674-5827
; Sequence 5827, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
```

```
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  Pavco, Pam
  APPLICANT:  McSwiggen, Jim
  APPLICANT:  Stinchcomb, Dan
  APPLICANT:  Escobedo, Jaime
  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
  FILE REFERENCE: MBHB00-876-N (400/049)
  CURRENT APPLICATION NUMBER: US/10/138,674
  CURRENT FILING DATE:  2002-05-03
  NUMBER OF SEQ ID NOS: 20822
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 5827
   LENGTH: 16
   TYPE: RNA
   ORGANISM: Homo sapiens
S-10-138-674-5827

 Query Match             0.7%;  Score 14.4;  DB 1;  Length 16;
 Best Local Similarity   81.2%;  Pred. No. 4.3e+02;
 Matches   13;  Conservative    2;  Mismatches    1;  Indels    0;  Gaps    0;

y        470 CTGGGGGCCTGCACCA 485
             |:||| |||:||||||
b          1 CUGGGAGCCUGCACCA 16


ESULT 384
S-10-287-949A-5827
 Sequence 5827, Application US/10287949A
 Publication No. US20040102389A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  Pavco, Pam
  APPLICANT:  McSwiggen, Jim
  APPLICANT:  Stinchcomb, Dan
  APPLICANT:  Escobedo, Jaime
  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
  FILE REFERENCE: MBHB00-876-N (400/049)
  CURRENT APPLICATION NUMBER: US/10/287,949A
  CURRENT FILING DATE:  2003-04-11
  NUMBER OF SEQ ID NOS: 20822
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 5827
   LENGTH: 16
   TYPE: RNA
   ORGANISM: Homo sapiens
S-10-287-949A-5827

 Query Match             0.7%;  Score 14.4;  DB 1;  Length 16;
 Best Local Similarity   81.2%;  Pred. No. 4.3e+02;
 Matches   13;  Conservative    2;  Mismatches    1;  Indels    0;  Gaps    0;

y        470 CTGGGGGCCTGCACCA 485
             |:||| |||:||||||
b          1 CUGGGAGCCUGCACCA 16


ESULT 385
S-09-866-108-971/c
 Sequence 971, Application US/09866108
 Patent No. US20020048800A1
 GENERAL INFORMATION:
  APPLICANT: GU, Yizhong
  APPLICANT:  JI, Yonggang
  APPLICANT:  PENN, Sharron G.
  APPLICANT:  HANZEL, David K.
  APPLICANT:  RANK, David R.
  APPLICANT:  CHEN, Wensheng
  APPLICANT:  SHANNON, Mark
  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
  FILE REFERENCE: AEOMICA-7
  CURRENT APPLICATION NUMBER: US/09/866,108
  CURRENT FILING DATE:  2001-05-25
  PRIOR APPLICATION NUMBER: US 60/207,456
  PRIOR FILING DATE: 2000-05-26
  PRIOR APPLICATION NUMBER: GB 24263.6
  PRIOR FILING DATE: 2000-10-04
  PRIOR APPLICATION NUMBER: US 60/236,359
  PRIOR FILING DATE: 2000-09-27
  PRIOR APPLICATION NUMBER: PCT/US01/00666
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00667
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00664
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00669
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00665
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00668
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00663
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00662
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00661
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00670
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: US 60/234,687
  PRIOR FILING DATE: 2000-09-21
  PRIOR APPLICATION NUMBER: US 60/266,860
  PRIOR FILING DATE: 2001-02-05
  NUMBER OF SEQ ID NOS: 15752
  SOFTWARE: Aeomica Sequence Listing Engine
 SEQ ID NO 971
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
US-09-866-108-971

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 4.7e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         465 TTGGGCTGGGGGCCTG 480
               ||||||| ||||||||
Db          17 TTGGGCTTGGGGCCTG 2


RESULT 386
US-09-866-108-972/c
 Sequence 972, Application US/09866108
 Patent No. US20020048800A1
 GENERAL INFORMATION:
  APPLICANT: GU, Yizhong
  APPLICANT:  JI, Yonggang
  APPLICANT:  PENN, Sharron G.
  APPLICANT:  HANZEL, David K.
  APPLICANT:  RANK, David R.
  APPLICANT:  CHEN, Wensheng
  APPLICANT:  SHANNON, Mark
  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
  FILE REFERENCE: AEOMICA-7
  CURRENT APPLICATION NUMBER: US/09/866,108
  CURRENT FILING DATE:  2001-05-25
  PRIOR APPLICATION NUMBER: US 60/207,456
  PRIOR FILING DATE: 2000-05-26
  PRIOR APPLICATION NUMBER: GB 24263.6
  PRIOR FILING DATE: 2000-10-04
  PRIOR APPLICATION NUMBER: US 60/236,359
  PRIOR FILING DATE: 2000-09-27
  PRIOR APPLICATION NUMBER: PCT/US01/00666
  PRIOR FILING DATE: 2001-01-30
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;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 972
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-972

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 4.7e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        465 TTGGGCTGGGGGCCTG 480
              ||||||| ||||||||
Db         16 TTGGGCTTGGGGCCTG 1


RESULT 387
US-09-866-108-8945/c
; Sequence 8945, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 8945
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-8945

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 4.7e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1681 AGCTCTTCCAGGAGCC 1696
              |||||||||||| |||
Db         17 AGCTCTTCCAGGCGCC 2


RESULT 388
US-09-866-108-8946/c
; Sequence 8946, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
```

```
  PRIOR APPLICATION NUMBER: US 60/266,860
  PRIOR FILING DATE: 2001-02-05
  NUMBER OF SEQ ID NOS: 15752
  SOFTWARE: Aeomica Sequence Listing Engine
 SEQ ID NO 8946
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
S-09-866-108-8946

 Query Match             0.7%;  Score 14.4;  DB 1;  Length 17;
 Best Local Similarity   93.8%;  Pred. No. 4.7e+02;
 Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y       1681 AGCTCTTCCAGGAGCC 1696
             ||||||||||||| |||
b         16 AGCTCTTCCAGGCGCC 1


ESULT 389
S-09-780-533A-1358
 Sequence 1358, Application US/09780533A
 Publication No. US20030060611A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  Blatt, Larry
  APPLICANT:  McSwiggen, Jim
  APPLICANT:  Chowrira, Bharat
  APPLICANT:  Haeberli, Pete
  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
  FILE REFERENCE: MBHB00,878-A (400/011)
  CURRENT APPLICATION NUMBER: US/09/780,533A
  CURRENT FILING DATE:  2001-02-09
  PRIOR APPLICATION NUMBER: US 60/181,797
  PRIOR FILING DATE: 2000-02-11
  NUMBER OF SEQ ID NOS: 6679
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 1358
   LENGTH: 17
   TYPE: RNA
   ORGANISM: Homo sapiens
S-09-780-533A-1358

 Query Match             0.7%;  Score 14.4;  DB 1;  Length 17;
 Best Local Similarity   62.5%;  Pred. No. 4.7e+02;
 Matches   10;  Conservative    5;  Mismatches    1;  Indels    0;  Gaps    0;

y       1826 AAAGGTGCCCTTATTG 1841
             |||||:|| |::|::|
b          1 AAAGGUGCUCUUAUUG 16


ESULT 390
S-09-780-164-387/c
 Sequence 387, Application US/09780164
 Publication No. US20030092646A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  Blatt, Larry
  APPLICANT:  McSwiggen, Jim
  TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20
  FILE REFERENCE: 400/010
  CURRENT APPLICATION NUMBER: US/09/780,164
  CURRENT FILING DATE:  2001-02-09
  PRIOR APPLICATION NUMBER: 60/185,516
  PRIOR FILING DATE: 2000-02-28
  NUMBER OF SEQ ID NOS: 2603
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 387
   LENGTH: 17
   TYPE: RNA
   ORGANISM: Homo sapiens
S-09-780-164-387

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 4.7e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1072 TTTGGACCAGATTTCA 1087
              ||||||||||||| ||
Db         17 TTTGGACCAGATTGCA 2


RESULT 391
US-09-780-164-966/c
; Sequence 966, Application US/09780164
; Publication No. US20030092646A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20
;  FILE REFERENCE: 400/010
;  CURRENT APPLICATION NUMBER: US/09/780,164
;  CURRENT FILING DATE:  2001-02-09
;  PRIOR APPLICATION NUMBER: 60/185,516
;  PRIOR FILING DATE: 2000-02-28
;  NUMBER OF SEQ ID NOS: 2603
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 966
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-780-164-966

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 4.7e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1072 TTTGGACCAGATTTCA 1087
              ||||||||||||| ||
Db         16 TTTGGACCAGATTGCA 1


RESULT 392
US-09-740-332-528/c
; Sequence 528, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Hepatitis C Virus Infection
;  FILE REFERENCE: RPI 400/003
;  CURRENT APPLICATION NUMBER: US/09/740,332
;  CURRENT FILING DATE:  2001-03-26
;  NUMBER OF SEQ ID NOS: 9704
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 528
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION:
;   OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-528

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 4.7e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1644 AACCAAGGCCCCGAGC 1659
              ||||||||||||| |
Db         17 AACCAAGGCCCCGAAC 2
```

```
RESULT 393
US-09-740-332-4027
; Sequence 4027, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Hepatitis C Virus Infection
;  FILE REFERENCE: RPI 400/003
;  CURRENT APPLICATION NUMBER: US/09/740,332
;  CURRENT FILING DATE:  2001-03-26
;  NUMBER OF SEQ ID NOS: 9704
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4027
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION:
;   OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-4027

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 4.7e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1644 AACCAAGGCCCCGAGC 1659
              ||||||||||||||| |
Db          2 AACCAAGGCCCCGAAC 17


RESULT 394
US-09-817-879-528/c
; Sequence 528, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Hepatitis C Virus Infection
;  FILE REFERENCE: MBHB00-801-F
;  CURRENT APPLICATION NUMBER: US/09/817,879
;  CURRENT FILING DATE:  2001-03-26
;  NUMBER OF SEQ ID NOS: 9703
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 528
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION:
;   OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-528

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 4.7e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1644 AACCAAGGCCCCGAGC 1659
              ||||||||||||||| |
Db         17 AACCAAGGCCCCGAAC 2


RESULT 395
US-09-817-879-4027
; Sequence 4027, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Hepatitis C Virus Infection
;  FILE REFERENCE: MBHB00-801-F
;  CURRENT APPLICATION NUMBER: US/09/817,879
;  CURRENT FILING DATE:  2001-03-26
;  NUMBER OF SEQ ID NOS: 9703
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4027
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION:
;   OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-4027

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 4.7e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1644 AACCAAGGCCCCGAGC 1659
              ||||||||||||||| |
Db          2 AACCAAGGCCCCGAAC 17


RESULT 396
US-10-138-674-4754
; Sequence 4754, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/138,674
;  CURRENT FILING DATE:  2002-05-03
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4754
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-138-674-4754

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   81.2%;  Pred. No. 4.7e+02;
  Matches   13;  Conservative    2;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        470 CTGGGGGCCTGCACCA 485
              |:||| |||:||||||
Db          1 CUGGGAGCCUGCACCA 16


RESULT 397
US-10-138-674-7632
; Sequence 7632, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/138,674
;  CURRENT FILING DATE:  2002-05-03
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7632
```

LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-10-138-674-7632

Query Match 0.7%; Score 14.4; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 4.7e+02;
Matches 13; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 469 GCTGGGGGCCTGCACC 484
||:||| |||:|||||
Db 2 GCUGGGAGCCUGCACC 17

ESULT 398
S-10-287-949A-4754
Sequence 4754, Application US/10287949A
Publication No. US20040102389A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/287,949A
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: PatentIn version 3.0
SEQ ID NO 4754
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-10-287-949A-4754

Query Match 0.7%; Score 14.4; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 4.7e+02;
Matches 13; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 470 CTGGGGGCCTGCACCA 485
|:||| |||:||||||
Db 1 CUGGGAGCCUGCACCA 16

ESULT 399
S-10-287-949A-7632
Sequence 7632, Application US/10287949A
Publication No. US20040102389A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/287,949A
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: PatentIn version 3.0
SEQ ID NO 7632
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-10-287-949A-7632

Query Match 0.7%; Score 14.4; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 4.7e+02;
Matches 13; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 469 GCTGGGGGCCTGCACC 484
||:||| |||:|||||
Db 2 GCUGGGAGCCUGCACC 17

RESULT 400
US-10-669-841-3121/c
; Sequence 3121, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patrice, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
; TITLE OF INVENTION: VIRUS REPLICATION
; FILE REFERENCE: 400/042US (MBHB02-249-E)
; CURRENT APPLICATION NUMBER: US/10/669,841
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; PRIOR FILING DATE: 2000-02-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3121
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-10-669-841-3121

Query Match 0.7%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 4.7e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1644 AACCAAGGCCCCGAGC 1659
||||||||||||| |
Db 17 AACCAAGGCCCCGAAC 2

RESULT 401
US-10-669-841-6620
; Sequence 6620, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:

```
;  APPLICANT: Sirna Therapeutics, Inc.
;  APPLICANT:  Lawrence, Blatt
;  APPLICANT:  Dennis, Macejak
;  APPLICANT:  James, McSwiggen
;  APPLICANT:  David, Morrissey
;  APPLICANT:  Pamela, Pavco
;  APPLICANT:  Patrice, Lee
;  APPLICANT:  Kenneth, Draper
;  APPLICANT:  Elisabeth, Roberts
;  TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
;  TITLE OF INVENTION:  VIRUS REPLICATION
;  FILE REFERENCE: 400/042US  (MBHB02-249-E)
;  CURRENT APPLICATION NUMBER: US/10/669,841
;  CURRENT FILING DATE:  2003-09-23
;  PRIOR APPLICATION NUMBER: PCT/US02/09187
;  PRIOR FILING DATE: 2002-03-26
;  PRIOR APPLICATION NUMBER: US 60/296,876
;  PRIOR FILING DATE: 2001-06-08
;  PRIOR APPLICATION NUMBER: US 60/335,059
;  PRIOR FILING DATE: 2001-10-24
;  PRIOR APPLICATION NUMBER: US 60/337,055
;  PRIOR FILING DATE: 2001-12-05
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 60/363,124
;  PRIOR FILING DATE: 2002-03-11
;  PRIOR APPLICATION NUMBER: US 09/817,879
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: US 09/740,332
;  PRIOR FILING DATE: 2000-12-18
;  PRIOR APPLICATION NUMBER: US 09/611,931
;  PRIOR FILING DATE: 2000-07-07
;  PRIOR APPLICATION NUMBER: US 09/504,321
;  PRIOR FILING DATE: 2000-02-15
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 16207
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6620
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Nucleic Acid
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION:
;   OTHER INFORMATION: oligonucleotide substrate
US-10-669-841-6620

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 4.7e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1644 AACCAAGGCCCCGAGC 1659
                ||||||||||||||| |
Db          2 AACCAAGGCCCCGAAC 17


RESULT 402
US-10-723-361-971/c
; Sequence 971, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
;  FILE REFERENCE: PB0105
;  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: US 09/866,108
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 971
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-723-361-971

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 4.7e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        465 TTGGGCTGGGGGCCTG 480
              ||||||| ||||||||
Db         17 TTGGGCTTGGGGCCTG 2


RESULT 403
US-10-723-361-972/c
; Sequence 972, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
;  FILE REFERENCE: PB0105
;  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: US 09/866,108
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
```

```
  PRIOR APPLICATION NUMBER: PCT/US01/00668
  PRIOR FILING DATE: 2001-01-30
  Remaining Prior Application data removed - See File Wrapper or PALM.
  NUMBER OF SEQ ID NOS: 15755
  SOFTWARE: Aeomica Sequence Listing Engine
 SEQ ID NO 972
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
S-10-723-361-972

 Query Match              0.7%;  Score 14.4;  DB 1;  Length 17;
 Best Local Similarity   93.8%;  Pred. No. 4.7e+02;
 Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y        465 TTGGGCTGGGGGCCTG 480
             ||||||| ||||||||
b         16 TTGGGCTTGGGGCCTG 1


ESULT 404
S-10-723-361-8945/c
 Sequence 8945, Application US/10723361
 Publication No. US20040137589A1
 GENERAL INFORMATION:
  APPLICANT: GU, Yizhong
  APPLICANT:  JI, Yonggang
  APPLICANT:  PENN, Sharron G.
  APPLICANT:  HANZEL, David K.
  APPLICANT:  RANK, David R.
  APPLICANT:  CHEN, Wensheng
  APPLICANT:  SHANNON, Mark
  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
  FILE REFERENCE: PB0105
  CURRENT APPLICATION NUMBER: US/10/723,361
  CURRENT FILING DATE:  2003-11-26
  PRIOR APPLICATION NUMBER: US 09/866,108
  PRIOR FILING DATE: 2001-05-25
  PRIOR APPLICATION NUMBER: US 60/207,456
  PRIOR FILING DATE: 2000-05-26
  PRIOR APPLICATION NUMBER: GB 24263.6
  PRIOR FILING DATE: 2000-10-04
  PRIOR APPLICATION NUMBER: US 60/236,359
  PRIOR FILING DATE: 2000-09-27
  PRIOR APPLICATION NUMBER: PCT/US01/00666
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00667
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00664
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00669
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00665
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00668
  PRIOR FILING DATE: 2001-01-30
  Remaining Prior Application data removed - See File Wrapper or PALM.
  NUMBER OF SEQ ID NOS: 15755
  SOFTWARE: Aeomica Sequence Listing Engine
 SEQ ID NO 8945
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
S-10-723-361-8945

 Query Match              0.7%;  Score 14.4;  DB 1;  Length 17;
 Best Local Similarity   93.8%;  Pred. No. 4.7e+02;
 Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y       1681 AGCTCTTCCAGGAGCC 1696
             ||||||||||||| |||
b         17 AGCTCTTCCAGGCGCC 2


RESULT 405
US-10-723-361-8946/c
; Sequence 8946, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
;  FILE REFERENCE: PB0105
;  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: US 09/866,108
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 8946
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-723-361-8946

  Query Match              0.7%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 4.7e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1681 AGCTCTTCCAGGAGCC 1696
              ||||||||||||| |||
Db         16 AGCTCTTCCAGGCGCC 1


RESULT 406
US-09-861-779-4/c
; Sequence 4, Application US/09861779
; Publication No. US20030191280A1
; GENERAL INFORMATION:
;  APPLICANT: Lok, Si
;  APPLICANT:  Kho, Choon J.
;  APPLICANT:  Jelmberg, Anna C.
;  APPLICANT:  Adams, Robyn L.
;  APPLICANT:  Whitmore, Theodore E.
;  APPLICANT:  Farrah, Theresa M.
;  TITLE OF INVENTION: Class II Cytokine Receptor-7
;  FILE REFERENCE: 96-24C2
;  CURRENT APPLICATION NUMBER: US/09/861,779
;  CURRENT FILING DATE:  2001-05-21
;  PRIOR APPLICATION NUMBER: 08/943,087
;  PRIOR FILING DATE: 1997-10-02
;  PRIOR APPLICATION NUMBER: 08/803,305
```

```
;  PRIOR FILING DATE: 1997-02-20
;  NUMBER OF SEQ ID NOS: 12
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 4
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-861-779-4

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 18;
  Best Local Similarity   93.8%;  Pred. No. 5.1e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1408 AAAGAGAAAGACCCAG 1423
              ||||||||| ||||||
Db         17 AAAGAGAAACACCCAG 2


RESULT 407
US-10-636-716-4/c
; Sequence 4, Application US/10636716
; Publication No. US20040072229A1
;  GENERAL INFORMATION:
;    APPLICANT:  Lok, Si
;    APPLICANT:  Kho, Choon J.
;    APPLICANT:  Jelmberg, Anna C.
;    APPLICANT:  Adams, Robyn L.
;    APPLICANT:  Whitmore, Theodore E.
;    APPLICANT:  Farrah, Theresa M.
;    TITLE OF INVENTION:  CYTOKINE RECEPTOR
;    NUMBER OF SEQUENCES:  60
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ZymoGenetics, Inc.
;      STREET:  1201 Eastlake Avenue East
;      CITY:  Seattle
;      STATE:  WA
;      COUNTRY:  USA
;      ZIP:  98102
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/10/636,716
;      FILING DATE:  07-AUG-2003
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/943,087
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/803,305
;      FILING DATE:  20-FEB-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lunn, Paul G
;      REGISTRATION NUMBER:  32,743
;      REFERENCE/DOCKET NUMBER:  96-24C1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  206-442-6627
;      TELEFAX:  206-442-6678
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other
;    IMMEDIATE SOURCE:
;      CLONE:  ZC11107
US-10-636-716-4

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 18;
  Best Local Similarity   93.8%;  Pred. No. 5.1e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1408 AAAGAGAAAGACCCAG 1423
              ||||||||| ||||||
Db         17 AAAGAGAAACACCCAG 2


RESULT 408
US-10-269-557-46
; Sequence 46, Application US/10269557
; Publication No. US20030099664A1
; GENERAL INFORMATION:
;  APPLICANT: Wisniewski, Jan
;  TITLE OF INVENTION: HEAT SHOCK GENES AND PROTEINS FROM
;  TITLE OF INVENTION:  NEISSERIA MENINGITIDIS, CANDIDA GLABRATA AND ASPERGILLUS
;  TITLE OF INVENTION:  FUMIGATUS
;  FILE REFERENCE: 870109.411
;  CURRENT APPLICATION NUMBER: US/10/269,557
;  CURRENT FILING DATE:  2002-10-11
;  PRIOR APPLICATION NUMBER: US/09/207,388
;  PRIOR FILING DATE: 1998-12-08
;  NUMBER OF SEQ ID NOS: 102
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 46
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer Used to clone Neisseria meningitidis Hsp70
;   OTHER INFORMATION: gene and to contruct Neisseria meningitidis Hsp70
;   OTHER INFORMATION: expression vectors
US-10-269-557-46

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 18;
  Best Local Similarity   93.8%;  Pred. No. 5.1e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        236 AAGCCAATGCTGAGGA 251
              ||||||||| |||||
Db          2 AAGCCAATGCCGAGGA 17


RESULT 409
US-10-367-438-165
; Sequence 165, Application US/10367438
; Publication No. US20030180773A1
;   GENERAL INFORMATION:
;        APPLICANT: COHEN, Daniel
;                   BLUMENFELD, Marta
;                   TCHOUMAKOV, Ilia
;        TITLE OF INVENTION: Biallelic markers for use in
;                            constructing a high density disequilibrium map of
;                            the human genome.
;        NUMBER OF SEQUENCES: 336
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Knobbe, Martens, Olson & Bear
;             STREET: 550 West C Street
;             CITY: San Diego
;             STATE: California
;             COUNTRY: USA
;             ZIP: 92101
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy Disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: Win95
;             SOFTWARE: Word
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/367,438
;             FILING DATE: 14-Feb-2003
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/09/463,075A
```

```
            FILING DATE: 14-Jan-2000
   INFORMATION FOR SEQ ID NO: 165:
        SEQUENCE CHARACTERISTICS:
            LENGTH: 18 base pairs
            TYPE: NUCLEIC ACID
            STRANDEDNESS: SINGLE
            TOPOLOGY: LINEAR
        MOLECULE TYPE: DNA
        ORIGINAL SOURCE:
            ORGANISM: Homo sapiens
        FEATURE:
            NAME/KEY:  downstream amplification primer for SEQ ID15, SEQ ID65
            LOCATION:  1..18
        SEQUENCE DESCRIPTION: SEQ ID NO: 165:
S-10-367-438-165

 Query Match             0.7%;  Score 14.4;  DB 1;  Length 18;
 Best Local Similarity   93.8%;  Pred. No. 5.1e+02;
 Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y       1410 AGAGAAAGACCCAGAG 1425
             ||||||||| ||||||
b          1 AGAGAAAGAACCAGAG 16


ESULT 410
S-10-349-143-9179
 Sequence 9179, Application US/10349143
 Publication No. US20040005584A1
 GENERAL INFORMATION:
  APPLICANT: Cohen, Daniel
  APPLICANT:  Blumenfeld, Marta
  APPLICANT:  Chumakov, Ilya
  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
  FILE REFERENCE: GENSET.020CP1
  CURRENT APPLICATION NUMBER: US/10/349,143
  CURRENT FILING DATE:  2003-01-21
  PRIOR APPLICATION NUMBER: US/09/422,978
  PRIOR FILING DATE: 1999-10-20
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
  NUMBER OF SEQ ID NOS: 11796
 SEQ ID NO 9179
   LENGTH: 18
   TYPE: DNA
   ORGANISM: Homo Sapiens
   FEATURE:
   NAME/KEY: primer_bind
   LOCATION: 1..18
   OTHER INFORMATION: downstream amplification primer 99-2275 for SEQ 1314, in compleme
S-10-349-143-9179

 Query Match             0.7%;  Score 14.4;  DB 1;  Length 18;
 Best Local Similarity   93.8%;  Pred. No. 5.1e+02;
 Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y       1410 AGAGAAAGACCCAGAG 1425
             ||||||||| ||||||
b          1 AGAGAAAGAACCAGAG 16


ESULT 411
S-10-117-586C-74/c
 Sequence 74, Application US/10117586C
 Publication No. US20030152938A1
 GENERAL INFORMATION:
  APPLICANT: NATIONAL CANCER CENTER
  TITLE OF INVENTION: RET OLIGONUCLEOTIDE MICROCHIP AND METHOD FOR DETECTING HEREDITARY
  TITLE OF INVENTION:  CANCER
;  FILE REFERENCE: PCA11254/PJG
;  CURRENT APPLICATION NUMBER: US/10/117,586C
;  CURRENT FILING DATE:  2002-04-05
;  NUMBER OF SEQ ID NOS: 77
;  SOFTWARE: KopatentIn 1.71
; SEQ ID NO 74
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Exon-14F
US-10-117-586C-74

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 19;
  Best Local Similarity   93.8%;  Pred. No. 5.5e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1682 GCTCTTCCAGGAGCCA 1697
              | ||||||||||||||
Db         16 GGTCTTCCAGGAGCCA 1


RESULT 412
US-10-349-143-6157/c
; Sequence 6157, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 6157
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-9420 for SEQ 2223,
US-10-349-143-6157

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 19;
  Best Local Similarity   93.8%;  Pred. No. 5.5e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1582 TTTTCTATTTCTCTGT 1597
              |||||||||||||| |
Db         17 TTTTCTATTTCTCTCT 2


RESULT 413
US-09-263-959-1047
; Sequence 1047, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
```

```
;       ADDRESSEE:  Seed and Berry LLP
;       STREET:  6300 Columbia Center, 701 Fifth Avenue
;       CITY:  Seattle
;       STATE:  Washington
;       COUNTRY:  US
;       ZIP:  98104-7092
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/263,959
;       FILING DATE:  05-MAR-1999
;       CLASSIFICATION:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  McMasters, David D.
;       REGISTRATION NUMBER:  33,963
;       REFERENCE/DOCKET NUMBER:  920010.426C2
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (206) 622-4900
;       TELEFAX:  (206) 682-6031
;   INFORMATION FOR SEQ ID NO:  1047:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-09-263-959-1047

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 6e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1991 TCTTCTCCTAATTCTG 2006
                ||||| ||||||||||
Db          5 TCTTCCCCTAATTCTG 20


RESULT 414
US-09-903-327A-18
; Sequence 18, Application US/09903327A
; Patent No. US20020164333A1
; GENERAL INFORMATION:
;  APPLICANT: Nemerow, Glen R.
;  APPLICANT:  Li, Erguang
;  TITLE OF INVENTION: BIFUNCTIONAL MOLECULES AND VECTORS COMPLEXED THEREWITH FOR TARGET
;  TITLE OF INVENTION:  GENE
;  TITLE OF INVENTION:  DELIVERY
;  FILE REFERENCE: 22908-1228
;  CURRENT APPLICATION NUMBER: US/09/903,327A
;  CURRENT FILING DATE:  2001-07-10
;  PRIOR APPLICATION NUMBER: 09/613,017
;  PRIOR FILING DATE: 2000-07-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: PCR primer for amplification of DAV-1 kappa chain
;   OTHER INFORMATION: CL-B.
US-09-903-327A-18

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 6e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        924 TGTCAAGAGCTTTAAC 939
              ||||||||||| |||
Db          1 TGTCAAGAGCTTCAAC 16


RESULT 415
US-09-972-469-12/c
; Sequence 12, Application US/09972469
; Publication No. US20030073085A1
; GENERAL INFORMATION:
;  APPLICANT: Lai, Fang
;  APPLICANT:  Zhou, Daixing
;  TITLE OF INVENTION: AMPLIFYING EXPRESSED SEQUENCES FROM GENOMIC DNA OF HIGHER-ORDER
;  TITLE OF INVENTION:  EUKARYOTIC ORGANISMS FOR DNA ARRAYS
;  FILE REFERENCE: SP01-290
;  CURRENT APPLICATION NUMBER: US/09/972,469
;  CURRENT FILING DATE:  2001-10-05
;  NUMBER OF SEQ ID NOS: 196
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-972-469-12

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 6e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        416 TGGCAAGTGCTGTGAA 431
              |||||| |||||||||
Db         18 TGGCAAATGCTGTGAA 3


RESULT 416
US-09-776-479-366/c
; Sequence 366, Application US/09776479
; Publication No. US20030087848A1
; GENERAL INFORMATION:
;  APPLICANT: Bratzler, Robert L.
;  APPLICANT:  Petersen, Deanna M.
;  APPLICANT:  Fouron, Yves
;  TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the
;  TITLE OF INVENTION:  Treatment of Asthma and Allergy
;  FILE REFERENCE: C1037/7013 (HCL/MAT)
;  CURRENT APPLICATION NUMBER: US/09/776,479
;  CURRENT FILING DATE:  2001-02-02
;  PRIOR APPLICATION NUMBER: US 60/179,991
;  PRIOR FILING DATE: 2000-02-03
;  NUMBER OF SEQ ID NOS: 1093
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 366
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Sequence
US-09-776-479-366

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 6e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        210 AAAAATGGAAATCTAT 225
              |||||||||| ||||
Db         16 AAAAATGGAAAACTAT 1


RESULT 417
US-09-776-479-366/c
; Sequence 366, Application US/09776479
; Publication No. US20040067902A9
; GENERAL INFORMATION:
;  APPLICANT: Bratzler, Robert L.
;  APPLICANT:  Petersen, Deanna M.
;  APPLICANT:  Fouron, Yves
;  TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the
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  TITLE OF INVENTION:  Treatment of Asthma and Allergy
  FILE REFERENCE: C1037/7013 (HCL/MAT)
  CURRENT APPLICATION NUMBER: US/09/776,479
  CURRENT FILING DATE:  2001-02-02
  PRIOR APPLICATION NUMBER: US 60/179,991
  PRIOR FILING DATE: 2000-02-03
  NUMBER OF SEQ ID NOS: 1093
  SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 366
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Synthetic Sequence
S-09-776-479-366

 Query Match             0.7%;  Score 14.4;  DB 1;  Length 20;
 Best Local Similarity   93.8%;  Pred. No. 6e+02;
 Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y        210 AAAAATGGAAATCTAT 225
             ||||||||||| ||||
b         16 AAAAATGGAAAACTAT 1


ESULT 418
S-10-663-241-43/c
 Sequence 43, Application US/10663241
 Publication No. US20040040058A1
 GENERAL INFORMATION:
  APPLICANT: Maliga, Pal
  APPLICANT:  Silhavy, Daniel
  APPLICANT:  Sriraman, Priya
  TITLE OF INVENTION: Plastid Promoters for Transgene
  TITLE OF INVENTION:  Expression in the Plastids of Higher Plants
  FILE REFERENCE: Rut 97-0097
  CURRENT APPLICATION NUMBER: US/10/663,241
  CURRENT FILING DATE:  2003-09-16
  PRIOR APPLICATION NUMBER: US/09/445,283C
  PRIOR FILING DATE: 1999-12-03
  PRIOR APPLICATION NUMBER: PCT/US98/11437
  PRIOR FILING DATE: 1998-06-03
  PRIOR APPLICATION NUMBER: 60/058,670
  PRIOR FILING DATE: 1997-09-12
  PRIOR APPLICATION NUMBER: 60/048,376
  PRIOR FILING DATE: 1997-06-03
  NUMBER OF SEQ ID NOS: 64
  SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 43
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Primer
S-10-663-241-43

 Query Match             0.7%;  Score 14.4;  DB 1;  Length 20;
 Best Local Similarity   93.8%;  Pred. No. 6e+02;
 Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y        754 GGGATTGATGACGAGT 769
             ||||||||||| ||||
b         16 GGGATTGATGAAGAGT 1


ESULT 419
S-10-333-429-512/c
 Sequence 512, Application US/10333429
 Publication No. US20040048265A1
 GENERAL INFORMATION:
  APPLICANT: GENSET
  TITLE OF INVENTION: Obesity Associated Biallelic Marker Maps
  FILE REFERENCE: G-083US02PCT
;  CURRENT APPLICATION NUMBER: US/10/333,429
;  CURRENT FILING DATE:  2003-01-17
;  PRIOR APPLICATION NUMBER: PCT/IB01/01477
;  PRIOR FILING DATE: 2001-06-28
;  PRIOR APPLICATION NUMBER: US 60/219,704
;  PRIOR FILING DATE: 2000-07-18
;  NUMBER OF SEQ ID NOS: 579
;  SOFTWARE: Patent.pm
; SEQ ID NO 512
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..20
;   OTHER INFORMATION: downstream amplification primer 99-27070 for SEQ 170, in compleme
US-10-333-429-512

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 6e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        506 CTGGCTTCTGTTACGT 521
              ||||||||||||||  |
Db         18 CTGGCTTCTGTTACAT 3


RESULT 420
US-10-187-975-135/c
; Sequence 135, Application US/10187975
; Publication No. US20030224982A1
; GENERAL INFORMATION:
;  APPLICANT: Li, Li
;  APPLICANT:  Shenoy, Suresh
;  APPLICANT:  Patturajan, Meera
;  APPLICANT:  Ellerman, Karen
;  APPLICANT:  Gorman, Linda
;  APPLICANT:  Zhong, Mei
;  APPLICANT:  Catterton, Elina
;  APPLICANT:  Spytek, Kimberly
;  APPLICANT:  Miller, Charles
;  APPLICANT:  Edinger, Shlomit
;  APPLICANT:  Hjalt, Tord
;  APPLICANT:  Gerlach, Valerie
;  APPLICANT:  Shimkets, Richard
;  APPLICANT:  Taupier, Raymond J. Jr.
;  APPLICANT:  Anderson, David
;  APPLICANT:  Guo, Xiaojia
;  APPLICANT:  Baumgartner, Jason
;  APPLICANT:  Padigaru, Muralidhara
;  APPLICANT:  Peyman, John
;  APPLICANT:  Smithson, Glennda
;  APPLICANT:  Casman, Stacie
;  APPLICANT:  Voss, Edward
;  APPLICANT:  Boldog, Ferenc
;  APPLICANT:  Pena, Carol
;  APPLICANT:  Chapoval, Andrei
;  APPLICANT:  Rastelli, Luca
;  APPLICANT:  Kekuda, Ramesh
;  APPLICANT:  Vernte, Corine
;  TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING
;  TITLE OF INVENTION:  SAME, AND METHODS OF USE
;  FILE REFERENCE: 21402-397A
;  CURRENT APPLICATION NUMBER: US/10/187,975
;  CURRENT FILING DATE:  2002-07-02
;  PRIOR APPLICATION NUMBER: 60/303,046
;  PRIOR FILING DATE: 2001-07-05
;  PRIOR APPLICATION NUMBER: 60/303,828
;  PRIOR FILING DATE: 2001-07-09
;  PRIOR APPLICATION NUMBER: 60/304,502
;  PRIOR FILING DATE: 2001-07-11
;  PRIOR APPLICATION NUMBER: 60/305,011
;  PRIOR FILING DATE: 2001-07-12
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;  PRIOR APPLICATION NUMBER: 60/305,262
;  PRIOR FILING DATE: 2001-07-13
;  PRIOR APPLICATION NUMBER: 60/305,673
;  PRIOR FILING DATE: 2001-07-16
;  PRIOR APPLICATION NUMBER: 60/306,085
;  PRIOR FILING DATE: 2001-07-17
;  PRIOR APPLICATION NUMBER: 60/307,536
;  PRIOR FILING DATE: 2002-07-24
;  PRIOR APPLICATION NUMBER: 60/308,228
;  PRIOR FILING DATE: 2001-07-27
;  PRIOR APPLICATION NUMBER: 60/308,877
;  PRIOR FILING DATE: 2001-07-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 288
;  SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 135
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artifical Sequence:  Primer/Probe
US-10-187-975-135

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 6e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1418 ACCCAGAGGAGAAGAA 1433
              |||| ||||||||||
Db         16 ACCCCGAGGAGAAGAA 1


RESULT 421
US-10-314-578-366/c
; Sequence 366, Application US/10314578
; Publication No. US20030212026A1
; GENERAL INFORMATION:
;  APPLICANT: Krieg, Arthur M.
;  APPLICANT:  Schetter, Christian
;  APPLICANT:  Vollmer, Jorg
;  TITLE OF INVENTION: Immunostimulatory Nucleic Acids
;  FILE REFERENCE: C1039/7035 (HCL/MAT)
;  CURRENT APPLICATION NUMBER: US/10/314,578
;  CURRENT FILING DATE:  2002-12-09
;  PRIOR APPLICATION NUMBER: US 60/156,113
;  PRIOR FILING DATE: 1999-09-25
;  PRIOR APPLICATION NUMBER: US 60/156,135
;  PRIOR FILING DATE: 1999-09-27
;  PRIOR APPLICATION NUMBER: US 60/227,436
;  PRIOR FILING DATE: 2000-08-23
;  NUMBER OF SEQ ID NOS: 1145
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 366
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Sequence
US-10-314-578-366

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 6e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        210 AAAAATGGAAATCTAT 225
              |||||||||| ||||
Db         16 AAAAATGGAAAACTAT 1


RESULT 422
US-10-112-653-354/c
; Sequence 354, Application US/10112653
; Publication No. US20030050268A1
; GENERAL INFORMATION:
;  APPLICANT: Krieg, Arthur M.
;  APPLICANT:  Berg, Daniel J.
;  TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACID FOR
;  TITLE OF INVENTION:  TREATMENT OF NON-ALLERGIC INFLAMMATORY DISEASES
;  FILE REFERENCE: C01039/70060(AWS)
;  CURRENT APPLICATION NUMBER: US/10/112,653
;  CURRENT FILING DATE:  2002-03-29
;  PRIOR APPLICATION NUMBER: US 60/279,642
;  PRIOR FILING DATE: 2001-03-29
;  NUMBER OF SEQ ID NOS: 1040
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 354
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Oligonucleotide
US-10-112-653-354

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 6e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        210 AAAAATGGAAATCTAT 225
              |||||||||| ||||
Db         16 AAAAATGGAAAACTAT 1


RESULT 423
US-10-017-995-366/c
; Sequence 366, Application US/10017995
; Publication No. US20030055014A1
; GENERAL INFORMATION:
;  APPLICANT: Bratzler, Robert L.
;  TITLE OF INVENTION: Inhibition of Angiogenesis by Nucleic Acids
;  FILE REFERENCE: C1037/7025 (HCL/MAT)
;  CURRENT APPLICATION NUMBER: US/10/017,995
;  CURRENT FILING DATE:  2001-12-18
;  PRIOR APPLICATION NUMBER: US 60/255,534
;  PRIOR FILING DATE: 2000-12-14
;  NUMBER OF SEQ ID NOS: 1093
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 366
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Sequence
US-10-017-995-366

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 6e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        210 AAAAATGGAAATCTAT 225
              |||||||||| ||||
Db         16 AAAAATGGAAAACTAT 1


RESULT 424
US-10-012-984-33
; Sequence 33, Application US/10012984
; Publication No. US20030118561A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE 4 EXPRESSION
;  FILE REFERENCE: RTS-0334
;  CURRENT APPLICATION NUMBER: US/10/012,984
;  CURRENT FILING DATE:  2001-12-04
;  NUMBER OF SEQ ID NOS: 92
; SEQ ID NO 33
;   LENGTH: 20
```

TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
S-10-012-984-33

Query Match 0.7%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

y 233 ACAAAGCCAATGCTGA 248
||||||||||||| |||
b 4 ACAAAGCCAATGGTGA 19

ESULT 425
S-10-029-517-92/c
Sequence 92, Application US/10029517
Publication No. US20030148969A1
GENERAL INFORMATION:
APPLICANT: Kenneth W. Dobie
APPLICANT: Susan J. Myers
TITLE OF INVENTION: ANTISENSE MODULATION OF MUCIN 1, TRANSMEMBRANE EXPRESSION
FILE REFERENCE: RTS-0352
CURRENT APPLICATION NUMBER: US/10/029,517
CURRENT FILING DATE: 2001-12-20
NUMBER OF SEQ ID NOS: 107
SEQ ID NO 92
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
S-10-029-517-92

Query Match 0.7%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

y 394 CAGTTGTCTACTGGTG 409
||||||||||||||| |
b 18 CAGTTGTCTACTGGGG 3

ESULT 426
S-10-349-143-10071/c
Sequence 10071, Application US/10349143
Publication No. US20040005584A1
GENERAL INFORMATION:
APPLICANT: Cohen, Daniel
APPLICANT: Blumenfeld, Marta
APPLICANT: Chumakov, Ilya
TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
FILE REFERENCE: GENSET.020CP1
CURRENT APPLICATION NUMBER: US/10/349,143
CURRENT FILING DATE: 2003-01-21
PRIOR APPLICATION NUMBER: US/09/422,978
PRIOR FILING DATE: 1999-10-20
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
NUMBER OF SEQ ID NOS: 11796
SEQ ID NO 10071
LENGTH: 20
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: primer_bind
LOCATION: 1..20
OTHER INFORMATION: downstream amplification primer 99-9355 for SEQ 2206, in compleme
US-10-349-143-10071

Query Match 0.7%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 GATGAAAAAGAGAAAG 1417
||||||| ||||||||
Db 16 GATGAAAGAGAGAAAG 1

RESULT 427
US-10-372-719-5
; Sequence 5, Application US/10372719
; Publication No. US20040005643A1
; GENERAL INFORMATION:
; APPLICANT: DE SANTIS, RITA
; APPLICANT: ANASTASI, ANNA MARIA
; TITLE OF INVENTION: ANTI-HUMAN TENASCIN MONOCLONAL ANTIBODY
; FILE REFERENCE: 2818-141
; CURRENT APPLICATION NUMBER: US/10/372,719
; CURRENT FILING DATE: 2003-02-25
; PRIOR APPLICATION NUMBER: 60/359,299
; PRIOR FILING DATE: 2002-02-26
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-372-719-5

Query Match 0.7%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 924 TGTCAAGAGCTTTAAC 939
||||||||||||| |||
Db 1 TGTCAAGAGCTTCAAC 16

RESULT 428
US-10-289-762-6177
; Sequence 6177, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
; APPLICANT: Griffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, preve
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/10/289,762
; CURRENT FILING DATE: 2003-03-27
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 6177
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-10-289-762-6177

Query Match 0.7%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1093 CACATCAGTCCTTCCA 1108
||||||||||||| |||
Db 1 CACATCAGTCCTCCCA 16

RESULT 429
US-10-673-523-33

```
; Sequence 33, Application US/10673523
; Publication No. US20040110713A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE 4 EXPRESSION
;  FILE REFERENCE: RTS-0334
;  CURRENT APPLICATION NUMBER: US/10/673,523
;  CURRENT FILING DATE:  2003-01-15
;  PRIOR APPLICATION NUMBER: US/10/012,984
;  PRIOR FILING DATE: 2001-12-04
;  NUMBER OF SEQ ID NOS: 92
; SEQ ID NO 33
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-673-523-33

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 6e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        233 ACAAAGCCAATGCTGA 248
              ||||||||||||| |||
Db          4 ACAAAGCCAATGGTGA 19


RESULT 430
US-10-671-395-440
; Sequence 440, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Gierse, James K
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: 1179/1/US
;  CURRENT APPLICATION NUMBER: US/10/671,395
;  CURRENT FILING DATE:  2003-09-25
;  PRIOR APPLICATION NUMBER: 60/413,549
;  PRIOR FILING DATE: 2002-09-25
;  NUMBER OF SEQ ID NOS: 1809
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 440
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-440

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 6e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        705 CGGGGCTGGCAAAGGC 720
              ||||| ||||||||||
Db          1 CGGGGTTGGCAAAGGC 16


RESULT 431
US-10-671-395-919
; Sequence 919, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Gierse, James K
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: 1179/1/US
;  CURRENT APPLICATION NUMBER: US/10/671,395
;  CURRENT FILING DATE:  2003-09-25
;  PRIOR APPLICATION NUMBER: 60/413,549
;  PRIOR FILING DATE: 2002-09-25
;  NUMBER OF SEQ ID NOS: 1809
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 919
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-919

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 6e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        704 TCGGGGCTGGCAAAGG 719
              |||||| |||||||||
Db          5 TCGGGGTTGGCAAAGG 20


RESULT 432
US-10-671-395-1063/c
; Sequence 1063, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Gierse, James K
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: 1179/1/US
;  CURRENT APPLICATION NUMBER: US/10/671,395
;  CURRENT FILING DATE:  2003-09-25
;  PRIOR APPLICATION NUMBER: 60/413,549
;  PRIOR FILING DATE: 2002-09-25
;  NUMBER OF SEQ ID NOS: 1809
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1063
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-1063

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 6e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1948 CTGGCCTCAAGTGAGC 1963
              |||||||||||||| |
Db         16 CTGGCCTCAAGTGATC 1


RESULT 433
US-10-671-395-1335/c
; Sequence 1335, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Gierse, James K
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: 1179/1/US
;  CURRENT APPLICATION NUMBER: US/10/671,395
;  CURRENT FILING DATE:  2003-09-25
;  PRIOR APPLICATION NUMBER: 60/413,549
;  PRIOR FILING DATE: 2002-09-25
;  NUMBER OF SEQ ID NOS: 1809
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1335
;   LENGTH: 20
;   TYPE: DNA
```

ORGANISM: artificial
FEATURE:
OTHER INFORMATION: Human PGE2 antisense
S-10-671-395-1335

Query Match 0.7%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1950 GGCCTCAAGTGAGCCA 1965
||||||||||| |||
Db 20 GGCCTCAAGTGATCCA 5

RESULT 434
S-10-307-817-506
Sequence 506, Application US/10307817
Publication No. US20040058338A1
GENERAL INFORMATION:
APPLICANT: Agee et al.
TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: 21402-502C
CURRENT APPLICATION NUMBER: US/10/307,817
CURRENT FILING DATE: 2002-12-02
NUMBER OF SEQ ID NOS: 682
SOFTWARE: CuraSeqList version 0.1
SEQ ID NO 506
LENGTH: 21
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artifical Sequence: Primer/Probe
S-10-307-817-506

Query Match 0.7%; Score 14.4; DB 1; Length 21;
Best Local Similarity 93.8%; Pred. No. 6.4e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1361 ACTCTTCCAACTTCAA 1376
||||||||| ||||||
Db 2 ACTCTTCCACCTTCAA 17

RESULT 435
S-10-375-597-2/c
Sequence 2, Application US/10375597
Publication No. US20040058345A1
GENERAL INFORMATION:
APPLICANT: Poola, Indra
TITLE OF INVENTION: Method of Generating an Expression Profile of Estrogen Receptor I
TITLE OF INVENTION: and Related Methods
FILE REFERENCE: 221510
CURRENT APPLICATION NUMBER: US/10/375,597
CURRENT FILING DATE: 2003-02-27
PRIOR APPLICATION NUMBER: 60/361,072
PRIOR FILING DATE: 2002-02-27
PRIOR APPLICATION NUMBER: 60/416,956
PRIOR FILING DATE: 2002-10-04
NUMBER OF SEQ ID NOS: 42
SOFTWARE: PatentIn version 3.1
SEQ ID NO 2
LENGTH: 21
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Synthetic
S-10-375-597-2

Query Match 0.7%; Score 14.4; DB 1; Length 21;
Best Local Similarity 93.8%; Pred. No. 6.4e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1331 CTGAAGAGGAGGGAGA 1346
| ||||||||||||||
Db 19 CCGAAGAGGAGGGAGA 4

RESULT 436
US-10-252-155-556/c
; Sequence 556, Application US/10252155
; Publication No. US20040068096A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS IN ORGANIC ANION TRANSPORT
; TITLE OF INVENTION: MULTI-DRUG RESISTANT PROTEINS
; FILE REFERENCE: D0152 NP
; CURRENT APPLICATION NUMBER: US/10/252,155
; CURRENT FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: US 60/324,172
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: US 60/333,700
; PRIOR FILING DATE: 2001-11-27
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 556
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-252-155-556

Query Match 0.7%; Score 14.4; DB 1; Length 21;
Best Local Similarity 93.8%; Pred. No. 6.4e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1423 GAGGAGAAGAAAGAAG 1438
||||||||| ||||||
Db 16 GAGGAGAAGGAAGAAG 1

RESULT 437
US-10-252-155-557/c
; Sequence 557, Application US/10252155
; Publication No. US20040068096A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS IN ORGANIC ANION TRANSPORT
; TITLE OF INVENTION: MULTI-DRUG RESISTANT PROTEINS
; FILE REFERENCE: D0152 NP
; CURRENT APPLICATION NUMBER: US/10/252,155
; CURRENT FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: US 60/324,172
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: US 60/333,700
; PRIOR FILING DATE: 2001-11-27
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 557
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-252-155-557

Query Match 0.7%; Score 14.4; DB 1; Length 21;
Best Local Similarity 93.8%; Pred. No. 6.4e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1423 GAGGAGAAGAAAGAAG 1438
||||||||| ||||||
Db 16 GAGGAGAAGGAAGAAG 1

RESULT 438
US-10-208-155-16
; Sequence 16, Application US/10208155
; Publication No. US20030013171A1
; GENERAL INFORMATION:

```
;       APPLICANT: Yang et al.
;       TITLE OF INVENTION: BCL-X{SYMBOL 103  \f "Symbol"}, A NOVEL BCL-X
;                           ISOFORM, AND USES RELATED THERETO
;       NUMBER OF SEQUENCES: 23
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: LAHIVE & COCKFIELD
;            STREET: 60 State Street
;            CITY: Boston
;            STATE: Massachusetts
;            COUNTRY: USA
;            ZIP: 02109-1875
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.25
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/10/208,155
;            FILING DATE: 29-Jul-2002
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US/08/899,367
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Amy E. Mandragouras
;            REGISTRATION NUMBER: 36,207
;            REFERENCE/DOCKET NUMBER: DFN-019
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (617)227-7400
;            TELEFAX: (617)227-5941
;   INFORMATION FOR SEQ ID NO: 16:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 21 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: cDNA
;       SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-10-208-155-16

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 21;
  Best Local Similarity   93.8%;  Pred. No. 6.4e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1084 TTCAAGCTCCACATCA 1099
                ||||||||||||| |||
Db          1 TTCAAGCTCCACTTCA 16


RESULT 439
US-10-349-143-10830/c
; Sequence 10830, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 10830
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..21
;   OTHER INFORMATION: downstream amplification primer 99-21244 for SEQ 2965, in comple
US-10-349-143-10830

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 21;
  Best Local Similarity   93.8%;  Pred. No. 6.4e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1910 AGCCATTTTTAGATTG 1925
                || ||||||||||||
Db         16 AGACATTTTTAGATTG 1


RESULT 440
US-10-336-603A-149/c
; Sequence 149, Application US/10336603A
; Publication No. US20040072997A1
; GENERAL INFORMATION:
;  APPLICANT: Alsobrook et al.
;  TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOI
;  FILE REFERENCE: 21402-533A
;  CURRENT APPLICATION NUMBER: US/10/336,603A
;  CURRENT FILING DATE:  2003-01-03
;  PRIOR APPLICATION NUMBER: 09/746,491
;  PRIOR FILING DATE: 2000-12-20
;  PRIOR APPLICATION NUMBER: 10/055,569
;  PRIOR FILING DATE: 2001-10-26
;  NUMBER OF SEQ ID NOS: 169
;  SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 149
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artifical Sequence:  Primer/Probe
US-10-336-603A-149

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 22;
  Best Local Similarity   93.8%;  Pred. No. 6.9e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        368 TATTCGATGGCCTGTT 383
                ||||| ||||||||||
Db         19 TATTCAATGGCCTGTT 4


RESULT 441
US-10-336-603A-152/c
; Sequence 152, Application US/10336603A
; Publication No. US20040072997A1
; GENERAL INFORMATION:
;  APPLICANT: Alsobrook et al.
;  TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOI
;  FILE REFERENCE: 21402-533A
;  CURRENT APPLICATION NUMBER: US/10/336,603A
;  CURRENT FILING DATE:  2003-01-03
;  PRIOR APPLICATION NUMBER: 09/746,491
;  PRIOR FILING DATE: 2000-12-20
;  PRIOR APPLICATION NUMBER: 10/055,569
;  PRIOR FILING DATE: 2001-10-26
;  NUMBER OF SEQ ID NOS: 169
;  SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 152
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artifical Sequence:  Primer/Probe
US-10-336-603A-152

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 22;
```

```
 Best Local Similarity   93.8%;  Pred. No. 6.9e+02;
 Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y        368 TATTCGATGGCCTGTT 383
             ||||| ||||||||||
b         19 TATTCAATGGCCTGTT 4


ESULT 442
S-10-055-569A-128/c
 Sequence 128, Application US/10055569A
 Publication No. US20040024181A1
 GENERAL INFORMATION:
  APPLICANT: Gangolli, Esha A
  APPLICANT:  Spytek, Kimberly A
  APPLICANT:  Gilbert, Jennifer
  APPLICANT:  Casman, Stacie
  APPLICANT:  Blalock, Angela
  APPLICANT:  Li, Li
  APPLICANT:  Vernet, Corine
  APPLICANT:  Shenoy, Suresh
  APPLICANT:  Mishra, Vishnu S
  APPLICANT:  Furtak, Katarzyna
  APPLICANT:  Gerlach, Valerie L
  APPLICANT:  Edinger, Shlomit
  APPLICANT:  Malyanker, Uriel
  APPLICANT:  Stone, David
  APPLICANT:  Millet, Isabelle
  APPLICANT:  Smithson, Glennda
  APPLICANT:  Gunther, Erik
  APPLICANT:  Ellerman, Karen
  APPLICANT:  Padigaru, Muralidhara
  APPLICANT:  Taupier Jr., Raymond J
  APPLICANT:  Anderson, David W
  TITLE OF INVENTION: No. US20040024181A1el Human Proteins, Polynucleotides Encoding Th
  TITLE OF INVENTION:  Methods of Using the Same
  FILE REFERENCE: 21402-191
  CURRENT APPLICATION NUMBER: US/10/055,569A
  CURRENT FILING DATE:  2001-10-26
  PRIOR APPLICATION NUMBER: 60/243,642
  PRIOR FILING DATE: 2000-10-26
  PRIOR APPLICATION NUMBER: 60/243,320
  PRIOR FILING DATE: 2000-10-26
  PRIOR APPLICATION NUMBER: 60/243,592
  PRIOR FILING DATE: 2000-10-26
  PRIOR APPLICATION NUMBER: 60/243,681
  PRIOR FILING DATE: 2000-10-27
  PRIOR APPLICATION NUMBER: 60/243,863
  PRIOR FILING DATE: 2000-10-27
  PRIOR APPLICATION NUMBER: 60/244,443
  PRIOR FILING DATE: 2000-10-31
  PRIOR APPLICATION NUMBER: 60/245,029
  PRIOR FILING DATE: 2000-11-01
  PRIOR APPLICATION NUMBER: 60/244,995
  PRIOR FILING DATE: 2000-11-01
  PRIOR APPLICATION NUMBER: 60/245,293
  PRIOR FILING DATE: 2000-11-02
  PRIOR APPLICATION NUMBER: 60/245,315
  PRIOR FILING DATE: 2000-11-02
  Remaining Prior Application data removed - See File Wrapper or PALM.
  NUMBER OF SEQ ID NOS: 137
  SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 128
   LENGTH: 22
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence: PCR Primer
   OTHER INFORMATION: Sequence
3-10-055-569A-128

 Query Match             0.7%;  Score 14.4;  DB 1;  Length 22;
 Best Local Similarity   93.8%;  Pred. No. 6.9e+02;
   Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        368 TATTCGATGGCCTGTT 383
              ||||| ||||||||||
Db         19 TATTCAATGGCCTGTT 4


RESULT 443
US-10-055-569A-131/c
; Sequence 131, Application US/10055569A
; Publication No. US20040024181A1
; GENERAL INFORMATION:
;  APPLICANT: Gangolli, Esha A
;  APPLICANT:  Spytek, Kimberly A
;  APPLICANT:  Gilbert, Jennifer
;  APPLICANT:  Casman, Stacie
;  APPLICANT:  Blalock, Angela
;  APPLICANT:  Li, Li
;  APPLICANT:  Vernet, Corine
;  APPLICANT:  Shenoy, Suresh
;  APPLICANT:  Mishra, Vishnu S
;  APPLICANT:  Furtak, Katarzyna
;  APPLICANT:  Gerlach, Valerie L
;  APPLICANT:  Edinger, Shlomit
;  APPLICANT:  Malyanker, Uriel
;  APPLICANT:  Stone, David
;  APPLICANT:  Millet, Isabelle
;  APPLICANT:  Smithson, Glennda
;  APPLICANT:  Gunther, Erik
;  APPLICANT:  Ellerman, Karen
;  APPLICANT:  Padigaru, Muralidhara
;  APPLICANT:  Taupier Jr., Raymond J
;  APPLICANT:  Anderson, David W
;  TITLE OF INVENTION: No. US20040024181A1el Human Proteins, Polynucleotides Encoding Th
;  TITLE OF INVENTION:  Methods of Using the Same
;  FILE REFERENCE: 21402-191
;  CURRENT APPLICATION NUMBER: US/10/055,569A
;  CURRENT FILING DATE:  2001-10-26
;  PRIOR APPLICATION NUMBER: 60/243,642
;  PRIOR FILING DATE: 2000-10-26
;  PRIOR APPLICATION NUMBER: 60/243,320
;  PRIOR FILING DATE: 2000-10-26
;  PRIOR APPLICATION NUMBER: 60/243,592
;  PRIOR FILING DATE: 2000-10-26
;  PRIOR APPLICATION NUMBER: 60/243,681
;  PRIOR FILING DATE: 2000-10-27
;  PRIOR APPLICATION NUMBER: 60/243,863
;  PRIOR FILING DATE: 2000-10-27
;  PRIOR APPLICATION NUMBER: 60/244,443
;  PRIOR FILING DATE: 2000-10-31
;  PRIOR APPLICATION NUMBER: 60/245,029
;  PRIOR FILING DATE: 2000-11-01
;  PRIOR APPLICATION NUMBER: 60/244,995
;  PRIOR FILING DATE: 2000-11-01
;  PRIOR APPLICATION NUMBER: 60/245,293
;  PRIOR FILING DATE: 2000-11-02
;  PRIOR APPLICATION NUMBER: 60/245,315
;  PRIOR FILING DATE: 2000-11-02
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 137
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 131
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: PCR Primer
;   OTHER INFORMATION: Sequence
US-10-055-569A-131

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 22;
  Best Local Similarity   93.8%;  Pred. No. 6.9e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;
```

```
Qy        368 TATTCGATGGCCTGTT 383
              ||||| ||||||||||
Db         19 TATTCAATGGCCTGTT 4


RESULT 444
US-10-085-906-21/c
; Sequence 21, Application US/10085906
; Publication No. US20030054371A1
; GENERAL INFORMATION:
;  APPLICANT: Ying, Vincent
;  APPLICANT:  Wu, Paul
;  APPLICANT:  Gray, Gary S.
;  TITLE OF INVENTION: POLYMORPHIC ELEMENTS IN THE
;  TITLE OF INVENTION:  COSTIMULATORY RECEPTOR LOCUS AND USES THEREOF
;  FILE REFERENCE: GNN-5343CP2
;  CURRENT APPLICATION NUMBER: US/10/085,906
;  CURRENT FILING DATE:  2002-02-27
;  PRIOR APPLICATION NUMBER: US 60/126,215
;  PRIOR FILING DATE: 1999-03-25
;  PRIOR APPLICATION NUMBER: US 09/534,061
;  PRIOR FILING DATE: 2000-03-24
;  PRIOR APPLICATION NUMBER: PCT/US00/07938
;  PRIOR FILING DATE: 2000-03-24
;  NUMBER OF SEQ ID NOS: 545
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-085-906-21

  Query Match             0.7%;  Score 14.4;  DB 1;  Length 24;
  Best Local Similarity   75.0%;  Pred. No. 7.7e+02;
  Matches   18;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       1607 TAAAAATTTATTAAATATAAATAT 1630
              || | || || || ||||| ||||
Db         24 TATATATATAATATATATATATAT 1


RESULT 445
US-09-305-856B-77/c
; Sequence 77, Application US/09305856B
; Patent No. US20020061518A1
; GENERAL INFORMATION:
;  APPLICANT:  Penny, Laura
;  APPLICANT:  Galvin, Margaret
;  TITLE OF INVENTION:  Genotyping the Human
;  TITLE OF INVENTION:  UDP-Glucuronosyltransferase 1 (UGT1) Gene
;  FILE REFERENCE:  4389-7 (formerly SEQ-17CIP)
;  CURRENT APPLICATION NUMBER: US/09/305,856B
;  CURRENT FILING DATE:  1999-05-05
;  PRIOR APPLICATION NUMBER:  60/084,807
;  PRIOR FILING DATE:  1998-05-07
;  NUMBER OF SEQ ID NOS:  124
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 77
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-09-305-856B-77

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 19;
  Best Local Similarity   84.2%;  Pred. No. 6e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1780 ATAAGACAAACTCCTGAAA 1798
              || | ||||||||||| ||
Db         19 ATTAAACAAACTCCTGCAA 1


RESULT 446
US-10-189-359-16/c
; Sequence 16, Application US/10189359
; Publication No. US20040039187A1
; GENERAL INFORMATION:
;  APPLICANT: MARTIN, Annette
;  APPLICANT:  SANGAR, DAVID V.
;  APPLICANT:  LEMON, STANLEY M.
;  TITLE OF INVENTION: Chimeric GB Virus B (GBV-B)
;  FILE REFERENCE: UTSG:258US
;  CURRENT APPLICATION NUMBER: US/10/189,359
;  CURRENT FILING DATE:  2002-07-03
;  PRIOR APPLICATION NUMBER: .10/189,359
;  PRIOR FILING DATE: 2002-07-03
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Synthetic
;   OTHER INFORMATION: Primer
US-10-189-359-16

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 19;
  Best Local Similarity   84.2%;  Pred. No. 6e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        671 AGTACTTCCCAGGAACTGG 689
              ||| ||| || ||||||||
Db         19 AGTTCTTGCCCGGAACTGG 1


RESULT 447
US-10-247-159-77/c
; Sequence 77, Application US/10247159
; Publication No. US20030157517A1
; GENERAL INFORMATION:
;  APPLICANT: Penny, Laura
;  APPLICANT:  Galvin, Margaret
;  TITLE OF INVENTION: Genotyping the Human
;  TITLE OF INVENTION:  UDP-Glucuronosyltransferase 1 (UGT1) Gene
;  FILE REFERENCE: 4389-7 (formerly SEQ-17CIP)
;  CURRENT APPLICATION NUMBER: US/10/247,159
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: 09/305,856
;  PRIOR FILING DATE: 1999-05-05
;  PRIOR APPLICATION NUMBER: 60/084,807
;  PRIOR FILING DATE: 1998-05-07
;  NUMBER OF SEQ ID NOS: 124
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 77
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-10-247-159-77

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 19;
  Best Local Similarity   84.2%;  Pred. No. 6e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1780 ATAAGACAAACTCCTGAAA 1798
              || | ||||||||||| ||
Db         19 ATTAAACAAACTCCTGCAA 1


RESULT 448
US-10-225-023-301
```

```
 Sequence 301, Application US/10225023
 Publication No. US20030175950A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  McSwiggen, James
  TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Using
  TITLE OF INVENTION:  Interfering RNA
  FILE REFERENCE: 400/054 (MBHB01-665-B)
  CURRENT APPLICATION NUMBER: US/10/225,023
  CURRENT FILING DATE:  2003-01-06
  PRIOR APPLICATION NUMBER: US 60/398,036
  PRIOR FILING DATE: 2002-07-23
  PRIOR APPLICATION NUMBER: US 60/294,140
  PRIOR FILING DATE: 2002-05-29
  PRIOR APPLICATION NUMBER: US 10/157,580
  PRIOR FILING DATE: 2002-05-29
  NUMBER OF SEQ ID NOS: 1494
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 301
   LENGTH: 19
   TYPE: RNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense r
S-10-225-023-301

 Query Match             0.7%;  Score 14.2;  DB 1;  Length 19;
 Best Local Similarity   84.2%;  Pred. No. 6e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y       1446 AGAGGAGAAAACCAAGGAG 1464
             ||| |||| |||||||| |
b          1 AGAUGAGAGAACCAAGGGG 19


ESULT 449
S-10-225-023-1039/c
 Sequence 1039, Application US/10225023
 Publication No. US20030175950A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  McSwiggen, James
  TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Using
  TITLE OF INVENTION:  Interfering RNA
  FILE REFERENCE: 400/054 (MBHB01-665-B)
  CURRENT APPLICATION NUMBER: US/10/225,023
  CURRENT FILING DATE:  2003-01-06
  PRIOR APPLICATION NUMBER: US 60/398,036
  PRIOR FILING DATE: 2002-07-23
  PRIOR APPLICATION NUMBER: US 60/294,140
  PRIOR FILING DATE: 2002-05-29
  PRIOR APPLICATION NUMBER: US 10/157,580
  PRIOR FILING DATE: 2002-05-29
  NUMBER OF SEQ ID NOS: 1494
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 1039
   LENGTH: 19
   TYPE: RNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
S-10-225-023-1039

 Query Match             0.7%;  Score 14.2;  DB 1;  Length 19;
 Best Local Similarity   84.2%;  Pred. No. 6e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y       1446 AGAGGAGAAAACCAAGGAG 1464
             ||| |||| |||||||| |
b         19 AGATGAGAGAACCAAGGGG 1


ESULT 450
US-10-367-438-214
; Sequence 214, Application US/10367438
; Publication No. US20030180773A1
;   GENERAL INFORMATION:
;        APPLICANT: COHEN, Daniel
;                   BLUMENFELD, Marta
;                   TCHOUMAKOV, Ilia
;        TITLE OF INVENTION: Biallelic markers for use in
;                            constructing a high density disequilibrium map of
;                            the human genome.
;        NUMBER OF SEQUENCES: 336
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Knobbe, Martens, Olson & Bear
;             STREET: 550 West C Street
;             CITY: San Diego
;             STATE: California
;             COUNTRY: USA
;             ZIP: 92101
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy Disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: Win95
;             SOFTWARE: Word
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/367,438
;             FILING DATE: 14-Feb-2003
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/09/463,075A
;             FILING DATE: 14-Jan-2000
;   INFORMATION FOR SEQ ID NO: 214:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 19 base pairs
;             TYPE: NUCLEIC ACID
;             STRANDEDNESS: SINGLE
;             TOPOLOGY: LINEAR
;        MOLECULE TYPE: DNA
;        ORIGINAL SOURCE:
;             ORGANISM: Homo sapiens
;        FEATURE:
;             NAME/KEY:   microsequencing oligo 99-2273-528.mis1
;             LOCATION:  1..19
;        SEQUENCE DESCRIPTION: SEQ ID NO: 214:
US-10-367-438-214

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 19;
  Best Local Similarity   84.2%;  Pred. No. 6e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy      1444 GAAGAGGAGAAAACCAAGG 1462
             ||||| |||||| |||||
Db         1 GAAGATAAGAAAATCAAGG 19


RESULT 451
US-10-367-438-262
; Sequence 262, Application US/10367438
; Publication No. US20030180773A1
;   GENERAL INFORMATION:
;        APPLICANT: COHEN, Daniel
;                   BLUMENFELD, Marta
;                   TCHOUMAKOV, Ilia
;        TITLE OF INVENTION: Biallelic markers for use in
;                            constructing a high density disequilibrium map of
;                            the human genome.
;        NUMBER OF SEQUENCES: 336
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Knobbe, Martens, Olson & Bear
;             STREET: 550 West C Street
;             CITY: San Diego
;             STATE: California
;             COUNTRY: USA
;             ZIP: 92101
;        COMPUTER READABLE FORM:
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```
;             MEDIUM TYPE: Floppy Disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: Win95
;             SOFTWARE: Word
;       CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/367,438
;             FILING DATE: 14-Feb-2003
;       PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/09/463,075A
;             FILING DATE: 14-Jan-2000
;   INFORMATION FOR SEQ ID NO: 262:
;       SEQUENCE CHARACTERISTICS:
;             LENGTH: 19 base pairs
;             TYPE: NUCLEIC ACID
;             STRANDEDNESS: SINGLE
;             TOPOLOGY: LINEAR
;       MOLECULE TYPE: DNA
;       ORIGINAL SOURCE:
;             ORGANISM: Homo sapiens
;       FEATURE:
;             NAME/KEY:   microsequencing oligo 99-2271-403.mis2
;             LOCATION:  1..19
;       SEQUENCE DESCRIPTION: SEQ ID NO: 262:
US-10-367-438-262

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 19;
  Best Local Similarity   84.2%;  Pred. No. 6e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1444 GAAGAGGAGAAAACCAAGG 1462
             |||||  ||||||  |||||
Db          1 GAAGATAAGAAAATCAAGG 19


RESULT 452
US-10-349-143-11276
; Sequence 11276, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 11276
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: downstream amplification primer 99-3789 for SEQ 3411, in compleme
US-10-349-143-11276

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 19;
  Best Local Similarity   84.2%;  Pred. No. 6e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        914 GTGTGGAATTTGTCAAGAG 932
              |||| |||| ||| |||||
Db          1 GTGTAGAATATGTGAAGAG 19


RESULT 453
US-10-444-795B-485
; Sequence 485, Application US/10444795B
; Publication No. US20040077574A1
; GENERAL INFORMATION:
;  APPLICANT: Klinghoffer, Richard
;  APPLICANT:  Lewis, Stephen Patrick
;  TITLE OF INVENTION: MODULATION OF BIOLOGICAL SIGNAL
;  TITLE OF INVENTION:  TRANSDUCTION BY RNA INTERFERENCE
;  FILE REFERENCE: 200125.449
;  CURRENT APPLICATION NUMBER: US/10/444,795B
;  CURRENT FILING DATE:  2003-05-23
;  NUMBER OF SEQ ID NOS: 842
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 485
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Small interfering RNA - cdc25C.3
US-10-444-795B-485

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 19;
  Best Local Similarity   73.7%;  Pred. No. 6e+02;
  Matches   14;  Conservative    2;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1963 CCAAGAAACACTGCCTGCC 1981
              || ||||||| :| |:|||
Db          1 CCCAGAAACAGUGGCUGCC 19


RESULT 454
US-10-444-795B-486/c
; Sequence 486, Application US/10444795B
; Publication No. US20040077574A1
; GENERAL INFORMATION:
;  APPLICANT: Klinghoffer, Richard
;  APPLICANT:  Lewis, Stephen Patrick
;  TITLE OF INVENTION: MODULATION OF BIOLOGICAL SIGNAL
;  TITLE OF INVENTION:  TRANSDUCTION BY RNA INTERFERENCE
;  FILE REFERENCE: 200125.449
;  CURRENT APPLICATION NUMBER: US/10/444,795B
;  CURRENT FILING DATE:  2003-05-23
;  NUMBER OF SEQ ID NOS: 842
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 486
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Small interfering RNA - cdc25C.3
US-10-444-795B-486

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 19;
  Best Local Similarity   84.2%;  Pred. No. 6e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1963 CCAAGAAACACTGCCTGCC 1981
              || ||||||| || |||||
Db         19 CCCAGAAACAGTGGCTGCC 1


RESULT 455
US-10-665-951-80/c
; Sequence 80, Application US/10665951
; Publication No. US20040138163A1
; GENERAL INFORMATION:
;  APPLICANT: Sirna Therapeutics, Inc.
;  APPLICANT:  McSwiggen, James
;  APPLICANT:  Beigelman, Leonid
;  APPLICANT:  Pavco, Pamela
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
```

```
  TITLE OF INVENTION:  Growth Factor and Vascular Endothelial Growth Factor Receptor
  TITLE OF INVENTION:  Gene Expression Using Short Interfering Nucleic Acid (siNA)
  FILE REFERENCE: 400/131 (MBHB02-742-F)
  CURRENT APPLICATION NUMBER: US/10/665,951
  CURRENT FILING DATE:  2003-09-18
  PRIOR APPLICATION NUMBER: US 10/664,668
  PRIOR FILING DATE: 2003-09-18
  PRIOR APPLICATION NUMBER: PCT/US 03/05022
  PRIOR FILING DATE: 2003-02-20
  PRIOR APPLICATION NUMBER: US 60/399,348
  PRIOR FILING DATE: 2002-07-29
  PRIOR APPLICATION NUMBER: US 60/393,796
  PRIOR FILING DATE: 2002-07-03
  PRIOR APPLICATION NUMBER: US 10/287,949
  PRIOR FILING DATE: 2002-11-04
  PRIOR APPLICATION NUMBER: US 10/306,747
  PRIOR FILING DATE: 2002-11-27
  PRIOR APPLICATION NUMBER: PCT/US 02/17674
  PRIOR FILING DATE: 2002-05-29
  PRIOR APPLICATION NUMBER: US 60/358,580
  PRIOR FILING DATE: 2002-02-20
  PRIOR APPLICATION NUMBER: US 60/363,124
  PRIOR FILING DATE: 2002-03-11
  PRIOR APPLICATION NUMBER: US 60/386,782
  PRIOR FILING DATE: 2002-06-06
  Remaining Prior Application data removed - See File Wrapper or PALM.
  NUMBER OF SEQ ID NOS: 2455
  SOFTWARE: PatentIn version 3.2
 SEQ ID NO 80
   LENGTH: 19
   TYPE: RNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence:  Target Sequence/siNA sense r
3-10-665-951-80

 Query Match             0.7%;  Score 14.2;  DB 1;  Length 19;
 Best Local Similarity   84.2%;  Pred. No. 6e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y        510 CTTCTGTTACGTCAATGAT 528
             |||| ||||||||  ||||
b         19 CTTCAGTTACGTCCTTGAT 1


ESULT 456
3-10-665-951-507
 Sequence 507, Application US/10665951
 Publication No. US20040138163A1
 GENERAL INFORMATION:
  APPLICANT: Sirna Therapeutics, Inc.
  APPLICANT:  McSwiggen, James
  APPLICANT:  Beigelman, Leonid
  APPLICANT:  Pavco, Pamela
  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
  TITLE OF INVENTION:  Growth Factor and Vascular Endothelial Growth Factor Receptor
  TITLE OF INVENTION:  Gene Expression Using Short Interfering Nucleic Acid (siNA)
  FILE REFERENCE: 400/131 (MBHB02-742-F)
  CURRENT APPLICATION NUMBER: US/10/665,951
  CURRENT FILING DATE:  2003-09-18
  PRIOR APPLICATION NUMBER: US 10/664,668
  PRIOR FILING DATE: 2003-09-18
  PRIOR APPLICATION NUMBER: PCT/US 03/05022
  PRIOR FILING DATE: 2003-02-20
  PRIOR APPLICATION NUMBER: US 60/399,348
  PRIOR FILING DATE: 2002-07-29
  PRIOR APPLICATION NUMBER: US 60/393,796
  PRIOR FILING DATE: 2002-07-03
  PRIOR APPLICATION NUMBER: US 10/287,949
  PRIOR FILING DATE: 2002-11-04
  PRIOR APPLICATION NUMBER: US 10/306,747
  PRIOR FILING DATE: 2002-11-27
  PRIOR APPLICATION NUMBER: PCT/US 02/17674
  PRIOR FILING DATE: 2002-05-29
  PRIOR APPLICATION NUMBER: US 60/358,580
  PRIOR FILING DATE: 2002-02-20
  PRIOR APPLICATION NUMBER: US 60/363,124
  PRIOR FILING DATE: 2002-03-11
  PRIOR APPLICATION NUMBER: US 60/386,782
  PRIOR FILING DATE: 2002-06-06
  Remaining Prior Application data removed - See File Wrapper or PALM.
  NUMBER OF SEQ ID NOS: 2455
  SOFTWARE: PatentIn version 3.2
 SEQ ID NO 507
   LENGTH: 19
   TYPE: RNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
US-10-665-951-507

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 19;
  Best Local Similarity   47.4%;  Pred. No. 6e+02;
  Matches    9;  Conservative    7;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        510 CTTCTGTTACGTCAATGAT 528
              |::| |::|||:|  :||:
Db          1 CUUCAGUUACGUCCUUGAU 19


RESULT 457
US-10-665-951-2266/c
 Sequence 2266, Application US/10665951
 Publication No. US20040138163A1
 GENERAL INFORMATION:
  APPLICANT: Sirna Therapeutics, Inc.
  APPLICANT:  McSwiggen, James
  APPLICANT:  Beigelman, Leonid
  APPLICANT:  Pavco, Pamela
  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
  TITLE OF INVENTION:  Growth Factor and Vascular Endothelial Growth Factor Receptor
  TITLE OF INVENTION:  Gene Expression Using Short Interfering Nucleic Acid (siNA)
  FILE REFERENCE: 400/131 (MBHB02-742-F)
  CURRENT APPLICATION NUMBER: US/10/665,951
  CURRENT FILING DATE:  2003-09-18
  PRIOR APPLICATION NUMBER: US 10/664,668
  PRIOR FILING DATE: 2003-09-18
  PRIOR APPLICATION NUMBER: PCT/US 03/05022
  PRIOR FILING DATE: 2003-02-20
  PRIOR APPLICATION NUMBER: US 60/399,348
  PRIOR FILING DATE: 2002-07-29
  PRIOR APPLICATION NUMBER: US 60/393,796
  PRIOR FILING DATE: 2002-07-03
  PRIOR APPLICATION NUMBER: US 10/287,949
  PRIOR FILING DATE: 2002-11-04
  PRIOR APPLICATION NUMBER: US 10/306,747
  PRIOR FILING DATE: 2002-11-27
  PRIOR APPLICATION NUMBER: PCT/US 02/17674
  PRIOR FILING DATE: 2002-05-29
  PRIOR APPLICATION NUMBER: US 60/358,580
  PRIOR FILING DATE: 2002-02-20
  PRIOR APPLICATION NUMBER: US 60/363,124
  PRIOR FILING DATE: 2002-03-11
  PRIOR APPLICATION NUMBER: US 60/386,782
  PRIOR FILING DATE: 2002-06-06
  Remaining Prior Application data removed - See File Wrapper or PALM.
  NUMBER OF SEQ ID NOS: 2455
  SOFTWARE: PatentIn version 3.2
 SEQ ID NO 2266
   LENGTH: 19
   TYPE: RNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence:  Target Sequence/siNA sense r
US-10-665-951-2266
```

```
  Query Match             0.7%;  Score 14.2;  DB 1;  Length 19;
  Best Local Similarity   84.2%;  Pred. No. 6e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        528 TATCGTCTTGGCCATCCTG 546
              | | ||||| |||||||||
Db         19 TGTAGTCTTTGCCATCCTG 1


RESULT 458
US-10-665-951-2267/c
; Sequence 2267, Application US/10665951
; Publication No. US20040138163A1
; GENERAL INFORMATION:
;  APPLICANT: Sirna Therapeutics, Inc.
;  APPLICANT:  McSwiggen, James
;  APPLICANT:  Beigelman, Leonid
;  APPLICANT:  Pavco, Pamela
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
;  TITLE OF INVENTION:  Growth Factor and Vascular Endothelial Growth Factor Receptor
;  TITLE OF INVENTION:  Gene Expression Using Short Interfering Nucleic Acid (siNA)
;  FILE REFERENCE: 400/131 (MBHB02-742-F)
;  CURRENT APPLICATION NUMBER: US/10/665,951
;  CURRENT FILING DATE:  2003-09-18
;  PRIOR APPLICATION NUMBER: US 10/664,668
;  PRIOR FILING DATE: 2003-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 03/05022
;  PRIOR FILING DATE: 2003-02-20
;  PRIOR APPLICATION NUMBER: US 60/399,348
;  PRIOR FILING DATE: 2002-07-29
;  PRIOR APPLICATION NUMBER: US 60/393,796
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: US 10/287,949
;  PRIOR FILING DATE: 2002-11-04
;  PRIOR APPLICATION NUMBER: US 10/306,747
;  PRIOR FILING DATE: 2002-11-27
;  PRIOR APPLICATION NUMBER: PCT/US 02/17674
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 60/363,124
;  PRIOR FILING DATE: 2002-03-11
;  PRIOR APPLICATION NUMBER: US 60/386,782
;  PRIOR FILING DATE: 2002-06-06
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 2455
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2267
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target Sequence/siNA sense r
US-10-665-951-2267

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 19;
  Best Local Similarity   84.2%;  Pred. No. 6e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        527 ATATCGTCTTGGCCATCCT 545
              || | ||||| |||||||||
Db         19 ATGTAGTCTTTGCCATCCT 1


RESULT 459
US-09-825-497-6/c
; Sequence 6, Application US/09825497
; Patent No. US20020082415A1
; GENERAL INFORMATION:
;  APPLICANT: Honkanen, Richard E
;  APPLICANT:  Dean, Nicholas M
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODUATION OF HUMAN SERINE/THREONINE PRO
;  TITLE OF INVENTION:  PHOSPHATASE GENE EXPRESSION
;  FILE REFERENCE: ISPH-0572
;  CURRENT APPLICATION NUMBER: US/09/825,497
;  CURRENT FILING DATE:  2001-04-03
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-825-497-6

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        246 TGAGGAGATGACCAAGTAC 264
              ||||| || | ||||||||
Db         19 TGAGGTGAAGGCCAAGTAC 1


RESULT 460
US-09-817-014-119/c
; Sequence 119, Application US/09817014
; Patent No. US20020106646A1
; GENERAL INFORMATION:
;  APPLICANT: Remacle, Jose
;  APPLICANT:  Hamels, Sandrine
;  APPLICANT:  Zammatteo, Nathalie
;  APPLICANT:  Lockman, Laurence
;  APPLICANT:  Dufour, Sophie
;  APPLICANT:  Alexandre, Isabelle
;  APPLICANT:  De Longueville, Francoise
;  TITLE OF INVENTION: IDENTIFICATION OF BIOLOGICAL
;  TITLE OF INVENTION:  (MICRO)ORGANISMS BY DETECTION OF THEIR HOMOLOGOUS NUCLEOTIDE
;  TITLE OF INVENTION:  SEQUENCES ON ARRAYS
;  FILE REFERENCE: VANM213.001AUS
;  CURRENT APPLICATION NUMBER: US/09/817,014
;  CURRENT FILING DATE:  2001-03-23
;  PRIOR APPLICATION NUMBER: EP 00870055.1
;  PRIOR FILING DATE: 2000-03-24
;  PRIOR APPLICATION NUMBER: EP 00870204.5
;  PRIOR FILING DATE: 2000-09-15
;  NUMBER OF SEQ ID NOS: 192
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 119
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: consensus primer for subtype 7 sense
US-09-817-014-119

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        628 ACCACGGACCGGGTCATGA 646
              | |||| || |||||||||
Db         20 ATCACGCACAGGGTCATGA 2


RESULT 461
US-09-817-014-126/c
; Sequence 126, Application US/09817014
; Patent No. US20020106646A1
; GENERAL INFORMATION:
;  APPLICANT: Remacle, Jose
;  APPLICANT:  Hamels, Sandrine
;  APPLICANT:  Zammatteo, Nathalie
;  APPLICANT:  Lockman, Laurence
;  APPLICANT:  Dufour, Sophie
```

```
  APPLICANT:  Alexandre, Isabelle
  APPLICANT:  De Longueville, Francoise
  TITLE OF INVENTION: IDENTIFICATION OF BIOLOGICAL
  TITLE OF INVENTION:  (MICRO)ORGANISMS BY DETECTION OF THEIR HOMOLOGOUS NUCLEOTIDE
  TITLE OF INVENTION:  SEQUENCES ON ARRAYS
  FILE REFERENCE: VANM213.001AUS
  CURRENT APPLICATION NUMBER: US/09/817,014
  CURRENT FILING DATE:  2001-03-23
  PRIOR APPLICATION NUMBER: EP 00870055.1
  PRIOR FILING DATE: 2000-03-24
  PRIOR APPLICATION NUMBER: EP 00870204.5
  PRIOR FILING DATE: 2000-09-15
  NUMBER OF SEQ ID NOS: 192
  SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 126
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: consensus primer for Specific 7
S-09-817-014-126

 Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
 Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y        628 ACCACGGACCGGGTCATGA 646
             | ||||  || |||||||||
b         20 ATCACGCACAGGGTCATGA 2


ESULT 462
S-09-972-469-172
 Sequence 172, Application US/09972469
 Publication No. US20030073085A1
 GENERAL INFORMATION:
  APPLICANT: Lai, Fang
  APPLICANT:  Zhou, Daixing
  TITLE OF INVENTION: AMPLIFYING EXPRESSED SEQUENCES FROM GENOMIC DNA OF HIGHER-ORDER
  TITLE OF INVENTION:  EUKARYOTIC ORGANISMS FOR DNA ARRAYS
  FILE REFERENCE: SP01-290
  CURRENT APPLICATION NUMBER: US/09/972,469
  CURRENT FILING DATE:  2001-10-05
  NUMBER OF SEQ ID NOS: 196
  SOFTWARE: PatentIn version 3.1
 SEQ ID NO 172
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Homo sapiens
S-09-972-469-172

 Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
 Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y        500 AGGCATCTGGCTTCTGTTA 518
             ||||| |||| |||||| |
o          2 AGGCACCTGGTTTCTGTCA 20


ESULT 463
S-09-802-110B-179/c
 Sequence 179, Application US/09802110B
 Publication No. US20030082535A1
   GENERAL INFORMATION:
        APPLICANT: Leushner, James
                   Hui, May
                   Dunn, James M.
                   LaCroix, Jean-Michel
        TITLE OF INVENTION: METHOD, COMPOSITIONS AND KIT FOR
                            DETECTION AND IDENTIFICATION OF MICROORGANISMS
        NUMBER OF SEQUENCES: 189
        CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Oppedahl & Larson LLP
;            STREET: PO Box 5068
;            CITY: Dillon
;            STATE: CO
;            COUNTRY: US
;            ZIP: 80435
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb storage
;            COMPUTER: IBM compatible
;            OPERATING SYSTEM: MS DOS
;            SOFTWARE: Word Perfect
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/802,110B
;            FILING DATE: 07-Mar-2001
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: <Unknown>
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Larson, Marina T.
;            REGISTRATION NUMBER: 32,038
;            REFERENCE/DOCKET NUMBER: VGEN.P-058-2
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (970) 468-6600
;            TELEFAX: (970) 468-0104
;            TELEX: <Unknown>
;   INFORMATION FOR SEQ ID NO: 179:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 20
;            TYPE: nucleic acid
;            STRANDEDNESS: double
;            TOPOLOGY: linear
;       MOLECULE TYPE: other nucleic acid
;       HYPOTHETICAL: no
;       ANTI-SENSE: yes
;       FRAGMENT TYPE: internal
;       SEQUENCE DESCRIPTION: SEQ ID NO: 179:
US-09-802-110B-179

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        948 GCTGATGCTGGGAGGCGGT 966
              |||||| ||||||  |||
Db         19 GCTGATGTTGGGAGTAGGT 1


RESULT 464
US-09-296-264-22/c
; Sequence 22, Application US/09296264
; Publication No. US20030083274A1
; GENERAL INFORMATION:
;  APPLICANT: WRIGHT, Jim A.
;  APPLICANT: YOUNG, Aiping H.
;  APPLICANT: LEE, Yoon S.
;  TITLE OF INVENTION: NEUROPILIN ANTISENSE OLIGONUCLEOTIDE SEQUENCES AND
;  TITLE OF INVENTION: METHODS OF USING SAME TO MODULATE CELL GROWTH
;  FILE REFERENCE: 032396-043
;  CURRENT APPLICATION NUMBER: US/09/296,264
;  CURRENT FILING DATE: 1999-04-22
;  EARLIER APPLICATION NUMBER: US 60/082,791
;  EARLIER FILING DATE: 1998-04-23
;  NUMBER OF SEQ ID NOS: 35
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Human
US-09-296-264-22

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
```

```
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1560 CCCCAACCCCTCAGATTTT 1578
              | ||||||||| ||||| ||
Db         19 CACCAACCCCACAGATGTT 1


RESULT 465
US-09-920-394-53
; Sequence 53, Application US/09920394
; Publication No. US20030096773A1
; GENERAL INFORMATION:
;  APPLICANT: Rosanne M. Crooke
;  APPLICANT:  Mark J. Graham
;  APPLICANT:  Kristina M. Lemonidis
;  TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COENZYME A CHOLESTEROL ACYLTRANSFERA
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: ISPH-0589
;  CURRENT APPLICATION NUMBER: US/09/920,394
;  CURRENT FILING DATE:  2001-08-01
;  NUMBER OF SEQ ID NOS: 62
; SEQ ID NO 53
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-920-394-53

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1350 GGGCCGCAAGAACTCTTCC 1368
              || || ||||| |||||||
Db          2 GGTCCCCAAGAGCTCTTCC 20


RESULT 466
US-09-851-871-178/c
; Sequence 178, Application US/09851871
; Publication No. US20030176374A1
; GENERAL INFORMATION:
;  APPLICANT: Bennett, Clarence Frank
;  APPLICANT:  Vickers, Timothy A.
;  APPLICANT:  Karras, James G.
;  TITLE OF INVENTION: Oligonucleotide Compositions and Methods for the
;  TITLE OF INVENTION:  Modulation of the Expression of B7 Protein
;  FILE REFERENCE: ISPH-0543
;  CURRENT APPLICATION NUMBER: US/09/851,871
;  CURRENT FILING DATE:  2001-05-09
;  PRIOR APPLICATION NUMBER: PCT/US00/14471
;  PRIOR FILING DATE: 2000-05-25
;  PRIOR APPLICATION NUMBER: 09/326,186
;  PRIOR FILING DATE: 1999-06-04
;  PRIOR APPLICATION NUMBER: 08/777,266
;  PRIOR FILING DATE: 1996-12-31
;  NUMBER OF SEQ ID NOS: 284
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 178
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-09-851-871-178

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1277 TCTCGATCTGCTCCTCTGA 1295
              ||| |  ||||||||||||
Db         19 TCTGGTGCTGCTCCTCTGA 1


RESULT 467
US-10-189-818B-23/c
; Sequence 23, Application US/10189818B
; Publication No. US20040072770A1
; GENERAL INFORMATION:
;  APPLICANT: BESTERMAN, JEFFREY M.
;  APPLICANT:  ZUOMEI, LI
;  APPLICANT:  DELORME, DANIEL
;  APPLICANT:  BONFILS, CLAIRE
;  TITLE OF INVENTION: METHODS FOR SPECIFICALLY INHIBITING HISTONE DEACTYLASE-7 AND 8
;  FILE REFERENCE: MET-024US1(1002/025)
;  CURRENT APPLICATION NUMBER: US/10/189,818B
;  CURRENT FILING DATE:  2002-07-03
;  NUMBER OF SEQ ID NOS: 41
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 23
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Combined DNA/RNA Molecule:
;   OTHER INFORMATION: Synthetic oligonucleotide
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: oligonucleotide
US-10-189-818B-23

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1353 CCGCAAGAACTCTTCCAAC 1371
              | ||| ||||||| |||||
Db         20 CGGCATGAACTCTCCCAAC 2


RESULT 468
US-10-016-248-113/c
; Sequence 113, Application US/10016248
; Publication No. US20040033491A1
; GENERAL INFORMATION:
;  APPLICANT: Alsobrook et al.
;  TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
;  FILE REFERENCE: 21402-218
;  CURRENT APPLICATION NUMBER: US/10/016,248
;  CURRENT FILING DATE:  2002-09-20
;  PRIOR APPLICATION NUMBER: 60/254,329
;  PRIOR FILING DATE: 2000-12-08
;  PRIOR APPLICATION NUMBER: 60/291,037
;  PRIOR FILING DATE: 2001-05-15
;  PRIOR APPLICATION NUMBER: 60/255,648
;  PRIOR FILING DATE: 2000-12-14
;  PRIOR APPLICATION NUMBER: 60/297,173
;  PRIOR FILING DATE: 2001-06-08
;  PRIOR APPLICATION NUMBER: 60/309,258
;  PRIOR FILING DATE: 2001-07-31
;  PRIOR APPLICATION NUMBER: 60/326,393
;  PRIOR FILING DATE: 2001-10-01
;  PRIOR APPLICATION NUMBER: 60/315,639
;  PRIOR FILING DATE: 2001-08-29
;  NUMBER OF SEQ ID NOS: 167
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 113
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
;   OTHER INFORMATION: primer
US-10-016-248-113
```

Query Match 0.7%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 6.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

y 814 ATGTTCCAGCCTAGTGCGG 832
b 19 AAGTTCCAGCCAAGTGCAG 1

ESULT 469
S-10-380-127A-45/c
Sequence 45, Application US/10380127A
Publication No. US20040033976A1
GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Donna T. Ward
APPLICANT: William A.Gaarde
APPLICANT: Brett P. Monia
APPLICANT: Jacqueline R. Wyatt
TITLE OF INVENTION: ANTISENSE MODULATION OF MEKK3 EXPRESSION
FILE REFERENCE: RTSP-0174
CURRENT APPLICATION NUMBER: US/10/380,127A
CURRENT FILING DATE: 2003-06-13
PRIOR APPLICATION NUMBER: 09/658,688
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 88
SEQ ID NO 45
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
S-10-380-127A-45

Query Match 0.7%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 6.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

y 1450 GAGAAAACCAAGGAGGAGA 1468
b 20 GAGACAAGCAAGGAGGTGA 2

ESULT 470
S-09-984-637-4
Sequence 4, Application US/09984637
Publication No. US20040048246A1
GENERAL INFORMATION:
APPLICANT: Tosoh Corporation
TITLE OF INVENTION: OLIGONUCLEOTIDE FOR DETECTION OF HIV-1 AND DETECTION METHOD
FILE REFERENCE: PA211-0315
CURRENT APPLICATION NUMBER: US/09/984,637
CURRENT FILING DATE: 2001-10-30
NUMBER OF SEQ ID NOS: 30
SEQ ID NO 4
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide hybridizable with a specific site of HIV-1 RNA
S-09-984-637-4

Query Match 0.7%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 6.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

y 1574 ATTTTATATTTTCTATTTC 1592
b 1 AATTTATATTTTTTCTTTC 19

ESULT 471
US-10-622-206-1
; Sequence 1, Application US/10622206
; Publication No. US20040048373A1
; GENERAL INFORMATION:
; APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
; APPLICANT: Gage, Fred
; APPLICANT: Ray, Jasodhara
; TITLE OF INVENTION: METHOD FOR PRODUCTION OF NEUROBLASTS
; FILE REFERENCE: REGEN1160-5
; CURRENT APPLICATION NUMBER: US/10/622,206
; CURRENT FILING DATE: 2003-07-18
; PRIOR APPLICATION NUMBER: US/09/915,229
; PRIOR FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: 08/884,427
; PRIOR FILING DATE: 1997-06-27
; PRIOR APPLICATION NUMBER: 08/445,075
; PRIOR FILING DATE: 1995-05-19
; PRIOR APPLICATION NUMBER: 08/147,843
; PRIOR FILING DATE: 1993-11-03
; PRIOR APPLICATION NUMBER: 08/001,543
; PRIOR FILING DATE: 1993-01-06
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Forward primer for PCR
US-10-622-206-1

Query Match 0.7%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 6.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 247 GAGGAGATGACCAAGTACC 265
Db 1 GAGGAGATAACTGAGTACC 19

RESULT 472
US-10-380-124-22/c
; Sequence 22, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 22
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-22

Query Match 0.7%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 6.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1401 GGATGAAAAAGAGAAAGAC 1419
Db 19 GGGTGAAACAGATAAAGAC 1

RESULT 473
US-09-923-517-78
; Sequence 78, Application US/09923517

```
; Publication No. US20020039741A1
;   GENERAL INFORMATION:
;        APPLICANT: Nicholas M. Dean; Robert A. McKay; Loren J.
;                   Miraglia; Brenda F. Baker
;        TITLE OF INVENTION: Antisense Oligonucleotide
;                            Compositions and Methods for the Modulation of
;                            Activating Protein 1
;        NUMBER OF SEQUENCES: 139
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Law Offices of Jane Massey Licata
;             STREET: 66 East Main Street
;             CITY: Marlton
;             STATE: NJ
;             COUNTRY: USA
;             ZIP: 08053
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
;             COMPUTER: IBM PS/2
;             OPERATING SYSTEM: WINDOWS 95
;             SOFTWARE: WORDPERFECT 6.1
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/923,517
;             FILING DATE: 07-Aug-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/364,416
;             FILING DATE: 1999-07-30
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Jane Massey Licata
;             REGISTRATION NUMBER: 32,257
;             REFERENCE/DOCKET NUMBER: ISPH-0209
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (609) 810-1515
;             TELEFAX: (609) 810-1454
;    INFORMATION FOR SEQ ID NO: 78:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20
;             TYPE: Nucleic Acid
;             STRANDEDNESS: Single
;             TOPOLOGY: Linear
;        ANTI-SENSE: Yes
;        SEQUENCE DESCRIPTION: SEQ ID NO: 78:
US-09-923-517-78

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1554 TTTCTTCCCCAACCCCTCA 1572
              ||||||||  |  |||||||
Db          2 TTTCTTCCACTGCCCCTCA 20


RESULT 474
US-09-923-517-95/c
; Sequence 95, Application US/09923517
; Publication No. US20020039741A1
;   GENERAL INFORMATION:
;        APPLICANT: Nicholas M. Dean; Robert A. McKay; Loren J.
;                   Miraglia; Brenda F. Baker
;        TITLE OF INVENTION: Antisense Oligonucleotide
;                            Compositions and Methods for the Modulation of
;                            Activating Protein 1
;        NUMBER OF SEQUENCES: 139
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Law Offices of Jane Massey Licata
;             STREET: 66 East Main Street
;             CITY: Marlton
;             STATE: NJ
;             COUNTRY: USA
;             ZIP: 08053
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
;             COMPUTER: IBM PS/2
;             OPERATING SYSTEM: WINDOWS 95
;             SOFTWARE: WORDPERFECT 6.1
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/923,517
;             FILING DATE: 07-Aug-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/364,416
;             FILING DATE: 1999-07-30
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Jane Massey Licata
;             REGISTRATION NUMBER: 32,257
;             REFERENCE/DOCKET NUMBER: ISPH-0209
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (609) 810-1515
;             TELEFAX: (609) 810-1454
;    INFORMATION FOR SEQ ID NO: 95:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20
;             TYPE: Nucleic Acid
;             STRANDEDNESS: Single
;             TOPOLOGY: Linear
;        ANTI-SENSE: Yes
;        SEQUENCE DESCRIPTION: SEQ ID NO: 95:
US-09-923-517-95

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1554 TTTCTTCCCCAACCCCTCA 1572
              ||||||||  |  |||||||
Db         19 TTTCTTCCACTGCCCCTCA 1


RESULT 475
US-09-754-106-65/c
; Sequence 65, Application US/09754106
; Publication No. US20030224355A1
;  GENERAL INFORMATION:
;    APPLICANT:  Bell, Graeme I.
;    APPLICANT:  Yamagata, Kazuya
;    APPLICANT:  Oda, Naohisha
;    APPLICANT:  Kaisaki, Pamela J.
;    APPLICANT:  Furuta, Hiroto
;    APPLICANT:  Horikawa, Yukio
;    APPLICANT:  Menzel, Stephen
;    TITLE OF INVENTION:  MUTATIONS IN THE DIABETES SUSCEPTIBILITY
;    TITLE OF INVENTION:  GENES HEPATOCYTE NUCLEAR FACTOR (HNF) 1 ALPHA, HNF-1BETA
;    TITLE OF INVENTION:  AND HNF-4ALPHA
;    NUMBER OF SEQUENCES:  147
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Arnold, White & Durkee
;      STREET:  P.O. Box 4433
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  USA
;      ZIP:  77210
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/754,106
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/927,219
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/028,056
```

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      FILING DATE:  02-OCT-1996
    PRIOR APPLICATION DATA:
      APPLICATION NUMBER:  US 60/025,719
      FILING DATE:  10-SEP-1996
    ATTORNEY/AGENT INFORMATION:
      NAME:  Wilson, Mark B.
      REGISTRATION NUMBER:  37,259
      REFERENCE/DOCKET NUMBER:  ARCD:272
    TELECOMMUNICATION INFORMATION:
      TELEPHONE:  512/418-3000
      TELEFAX:  512/474-7577
  INFORMATION FOR SEQ ID NO:  65:
    SEQUENCE CHARACTERISTICS:
      LENGTH:  20 base pairs
      TYPE:  nucleic acid
      STRANDEDNESS:  single
      TOPOLOGY:  linear
S-09-754-106-65

 Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
 Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Y          5 GGAGCCGCGGGCGGGAGGG 23
             ||||| || | ||||||||
D         19 GGAGCAGCTGACGGGAGGG 1


ESULT 476
S-10-181-856-14
 Sequence 14, Application US/10181856
 Publication No. US20030212018A1
 GENERAL INFORMATION:
  APPLICANT: Brett P. Monia
  APPLICANT:  William Gaarde
  APPLICANT:  Donna T. Ward
  APPLICANT:  Susan M. Freier
  APPLICANT:  Jacqueline Wyatt
  TITLE OF INVENTION: ANTISENSE MODULATION OF MEKK2 EXPRESSION
  FILE REFERENCE: RTSP-0345
  CURRENT APPLICATION NUMBER: US/10/181,856
  CURRENT FILING DATE:  2002-07-18
  PRIOR APPLICATION NUMBER: PCT/US01/01361
  PRIOR FILING DATE: 2001-01-16
  PRIOR APPLICATION NUMBER: 09/488,744
  PRIOR FILING DATE: 2000-01-20
  NUMBER OF SEQ ID NOS: 88
 SEQ ID NO 14
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
S-10-181-856-14

 Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
 Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

       1137 CCTGGAGAAGATCAAACAG 1155
              ||  |||||||| ||||||
          1 CCGTGAGAAGATAAAACAG 19


ESULT 477
S-10-144-140-71/c
 Sequence 71, Application US/10144140
 Publication No. US20030211606A1
 GENERAL INFORMATION:
  APPLICANT: Kenneth W. Dobie
  APPLICANT:  Susan M. Freier
  TITLE OF INVENTION: ANTISENSE MODULATION OF DYRK4 EXPRESSION
  FILE REFERENCE: RTS-0362
  CURRENT APPLICATION NUMBER: US/10/144,140
  CURRENT FILING DATE:  2002-05-10
  NUMBER OF SEQ ID NOS: 87
 SEQ ID NO 71
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
US-10-144-140-71

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        492 GAAGTCCGAGGCATCTGGC 510
              |||||| |||||| ||| |
Db         20 GAAGTCAGAGGCAGCTGTC 2


RESULT 478
US-10-383-614-27
; Sequence 27, Application US/10383614
; Publication No. US20030225022A1
; GENERAL INFORMATION:
;  APPLICANT: TAYLOR, CATHERINE
;  APPLICANT:  CLICHE, DOMINIC
;  APPLICANT:  HEIKKILA, ELIZABETH MARGARET
;  APPLICANT:  SENCHYNA, DIANE MICHELLE
;  APPLICANT:  FLANAGAN, JOHN GERARD
;  APPLICANT:  THOMPSON, JOHN E.
;  TITLE OF INVENTION: SUPPRESSION OF eIFA 1 EXPRESSION TO PREVENT RETINAL GANGLION
;  TITLE OF INVENTION:  CELL DEATH IN THE GLAUCOMATOUS EYE
;  FILE REFERENCE: 10799/78
;  CURRENT APPLICATION NUMBER: US/10/383,614
;  CURRENT FILING DATE:  2003-03-10
;  PRIOR APPLICATION NUMBER: 10/277,969
;  PRIOR FILING DATE: 2002-10-23
;  PRIOR APPLICATION NUMBER: 10/200,148
;  PRIOR FILING DATE: 2002-07-23
;  PRIOR APPLICATION NUMBER: 10/141,647
;  PRIOR FILING DATE: 2002-05-07
;  PRIOR APPLICATION NUMBER: 09/909,796
;  PRIOR FILING DATE: 2001-07-23
;  NUMBER OF SEQ ID NOS: 35
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 27
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic antisense
;   OTHER INFORMATION: oligonucleotide
US-10-383-614-27

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1935 TCGTACCTTCCCACTGGCC 1953
              |||||||| ||| ||| ||
Db          2 TCGTACCTCCCCGCTGTCC 20


RESULT 479
US-10-127-391-18/c
; Sequence 18, Application US/10127391
; Publication No. US20020172690A1
; GENERAL INFORMATION:
;  APPLICANT: Pfizer Products Inc.
;  TITLE OF INVENTION: AN INFECTIOUS cDNA CLONE OF NORTH AMERICAN PORCINE
;  TITLE OF INVENTION:  REPRODUCTIVE AND RESPIRATORY SYNDROME (PRRS) VIRUS AND
;  TITLE OF INVENTION:  USES THEREOF
```

```
;  FILE REFERENCE: PC10278A
;  CURRENT APPLICATION NUMBER: US/10/127,391
;  CURRENT FILING DATE:  2002-04-22
;  PRIOR APPLICATION NUMBER: US/09/470,661A
;  PRIOR FILING DATE: 1999-12-22
;  NUMBER OF SEQ ID NOS: 45
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:   Primer
;   OTHER INFORMATION: forward strand, used for determining cDNA
;   OTHER INFORMATION: corresponding to No. US20020172690A1th American PRRS virus genome
US-10-127-391-18

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        557 AGTATCACCAGAGGGTGCT 575
              |||  |||||||| |||||
Db         19 AGTTGCACCAGAGCGTGCT 1


RESULT 480
US-10-126-611-29
; Sequence 29, Application US/10126611
; Publication No. US20030008278A1
; GENERAL INFORMATION:
;  APPLICANT: ISHIZUKA, TETSUYA
;  APPLICANT:  YASUKAWA, KIYOSHI
;  APPLICANT:  ISHIGURO, TAKAHIKO
;  TITLE OF INVENTION: METHOD OR AMPLIFYING OR DETECTING HIV-1 RNA
;  FILE REFERENCE: 222118US0
;  CURRENT APPLICATION NUMBER: US/10/126,611
;  CURRENT FILING DATE:  2002-04-22
;  PRIOR APPLICATION NUMBER: JP 2001-129210
;  PRIOR FILING DATE: 2001-04-26
;  NUMBER OF SEQ ID NOS: 35
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-10-126-611-29

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1576 TTTATATTTTCTATTTCTC 1594
              |||||||||| | |||| |
Db          1 TTTATATTTTTTCTTTCCC 19


RESULT 481
US-10-126-611-30
; Sequence 30, Application US/10126611
; Publication No. US20030008278A1
; GENERAL INFORMATION:
;  APPLICANT: ISHIZUKA, TETSUYA
;  APPLICANT:  YASUKAWA, KIYOSHI
;  APPLICANT:  ISHIGURO, TAKAHIKO
;  TITLE OF INVENTION: METHOD OR AMPLIFYING OR DETECTING HIV-1 RNA
;  FILE REFERENCE: 222118US0
;  CURRENT APPLICATION NUMBER: US/10/126,611
;  CURRENT FILING DATE:  2002-04-22
;  PRIOR APPLICATION NUMBER: JP 2001-129210
;  PRIOR FILING DATE: 2001-04-26
;  NUMBER OF SEQ ID NOS: 35
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-10-126-611-30

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1574 ATTTTATATTTTCTATTTC 1592
              | |||||||||| | ||||
Db          1 AATTTATATTTTTTCTTTC 19


RESULT 482
US-10-181-846-151/c
; Sequence 151, Application US/10181846
; Publication No. US20030083297A1
; GENERAL INFORMATION:
;  APPLICANT: Nicholas M. Dean
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF DAXX EXPRESSION
;  FILE REFERENCE: RTSP-0363
;  CURRENT APPLICATION NUMBER: US/10/181,846
;  CURRENT FILING DATE:  2002-07-17
;  PRIOR APPLICATION NUMBER: PCT/US01/01416
;  PRIOR FILING DATE: 2001-01-16
;  PRIOR APPLICATION NUMBER: 09/490,692
;  PRIOR FILING DATE: 2000-01-24
;  NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 151
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-181-846-151

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1245 CGATGAGGACGAAGACGAC 1263
              |||||| ||||| || |||
Db         20 CGATGATGACGATGATGAC 2


RESULT 483
US-10-145-493B-71/c
; Sequence 71, Application US/10145493B
; Publication No. US20030096777A1
; GENERAL INFORMATION:
;  APPLICANT: Besterman, Jeffrey
;  APPLICANT:  MacLeod, Robert
;  APPLICANT:  Siders, William
;  TITLE OF INVENTION: Modulation of Gene Expression by Combination Therapy
;  FILE REFERENCE: MET-015DV
;  CURRENT APPLICATION NUMBER: US/10/145,493B
;  CURRENT FILING DATE:  2002-05-14
;  PRIOR APPLICATION NUMBER: 09/420,692
;  PRIOR FILING DATE: 1999-10-19
;  PRIOR APPLICATION NUMBER: US 60/104,804
;  PRIOR FILING DATE: 1998-10-19
;  NUMBER OF SEQ ID NOS: 90
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 71
;   LENGTH: 20
;   TYPE: DNA
```

```
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: primer
S-10-145-493B-71

 Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
 Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y        238 GCCAATGCTGAGGAGATGA 256
             | ||||||||||| ||||
b         20 GACAATGCTGAGGTTATGA 2


ESULT 484
S-10-145-493B-88/c
 Sequence 88, Application US/10145493B
 Publication No. US20030096777A1
 GENERAL INFORMATION:
  APPLICANT: Besterman, Jeffrey
  APPLICANT:  MacLeod, Robert
  APPLICANT:  Siders, William
  TITLE OF INVENTION: Modulation of Gene Expression by Combination Therapy
  FILE REFERENCE: MET-015DV
  CURRENT APPLICATION NUMBER: US/10/145,493B
  CURRENT FILING DATE:  2002-05-14
  PRIOR APPLICATION NUMBER: 09/420,692
  PRIOR FILING DATE: 1999-10-19
  PRIOR APPLICATION NUMBER: US 60/104,804
  PRIOR FILING DATE: 1998-10-19
  NUMBER OF SEQ ID NOS: 90
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 88
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: primer
S-10-145-493B-88

 Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
 Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y        238 GCCAATGCTGAGGAGATGA 256
             | ||||||||||| ||||
b         20 GACAATGCTGAGGTTATGA 2


ESULT 485
S-10-003-919-72/c
 Sequence 72, Application US/10003919
 Publication No. US20030114401A1
 GENERAL INFORMATION:
  APPLICANT: C. Frank Bennett
  APPLICANT:  Susan M. Freier
  TITLE OF INVENTION: ANTISENSE MODULATION OF SHIP-1 EXPRESSION
  FILE REFERENCE: RTS-0256
  CURRENT APPLICATION NUMBER: US/10/003,919
  CURRENT FILING DATE:  2001-12-06
  NUMBER OF SEQ ID NOS: 87
 SEQ ID NO 72
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
S-10-003-919-72

 Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
 Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy      1789 ACTCCTGAAATGCCAAGTG 1807
             |||| |||  |||||||||
Db        19 ACTCATGATGTGCCAAGTG 1


RESULT 486
US-10-279-186-16/c
; Sequence 16, Application US/10279186
; Publication No. US20030114407A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G PROTEIN-COUPLED RECEPTOR
;  TITLE OF INVENTION:  ETBR-LP-2 EXPRESSION
;  FILE REFERENCE: RTS-0346
;  CURRENT APPLICATION NUMBER: US/10/279,186
;  CURRENT FILING DATE:  2002-10-23
;  PRIOR APPLICATION NUMBER: US/10/003,126
;  PRIOR FILING DATE: 2001-12-06
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 16
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-279-186-16

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       458 CTGTGAATTGGGCTGGGGG 476
             |||||| || ||||| |||
Db        20 CTGTGATTTTGGCTGTGGG 2


RESULT 487
US-10-024-396-85
; Sequence 85, Application US/10024396
; Publication No. US20030147864A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CD36L1 EXPRESSION
;  FILE REFERENCE: RTS-0339
;  CURRENT APPLICATION NUMBER: US/10/024,396
;  CURRENT FILING DATE:  2001-12-18
;  NUMBER OF SEQ ID NOS: 91
; SEQ ID NO 85
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-024-396-85

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy      1037 CTAATGAGCTTCCATACAA 1055
             |||||||||||| | | |
Db         2 CTAATGAGCTTCCCTGCTA 20


RESULT 488
US-10-241-332-18/c
; Sequence 18, Application US/10241332
; Publication No. US20030157689A1
; GENERAL INFORMATION:
;  APPLICANT: Pfizer, Inc.
;  TITLE OF INVENTION: Infectious cDNA clone of No. US20030157689A1th American Porcine R
;  TITLE OF INVENTION:  Respiratory Syndrome (PRRS) and Uses thereof
```

```
;  FILE REFERENCE: 3153.00253/PC10278C
;  CURRENT APPLICATION NUMBER: US/10/241,332
;  CURRENT FILING DATE:  2002-09-11
;  PRIOR APPLICATION NUMBER: CIP of USSN 09/470,661
;  PRIOR FILING DATE: 1999-12-22
;  PRIOR APPLICATION NUMBER: Benefit of Priority of USSN 60/113,345
;  PRIOR FILING DATE: 1998-12-22
;  NUMBER OF SEQ ID NOS: 49
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 18
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:   Primer
;   OTHER INFORMATION: forward strand, used for determining cDNA
;   OTHER INFORMATION: corresponding to No. US20030157689A1th American PRRS virus genome
US-10-241-332-18

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        557 AGTATCACCAGAGGGTGCT 575
              |||  |||||||| |||||
Db         19 AGTTGCACCAGAGCGTGCT 1


RESULT 489
US-10-187-253A-61/c
; Sequence 61, Application US/10187253A
; Publication No. US20030170612A1
; GENERAL INFORMATION:
;  APPLICANT: Pichuantes, Sergio
;  APPLICANT:  Shyamala, Venkatakrishna
;  TITLE OF INVENTION: DIAGNOSTIC ASSAYS FOR PARVOVIRUS B19
;  FILE REFERENCE: CHIR-17194/03US / PP17194.004
;  CURRENT APPLICATION NUMBER: US/10/187,253A
;  CURRENT FILING DATE:  2003-03-10
;  NUMBER OF SEQ ID NOS: 92
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 61
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)
;   OTHER INFORMATION: where 'c' is modified 5' with fluorescein
;   OTHER INFORMATION: phosphoramidite
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (20)
;   OTHER INFORMATION: where 't' is modified 3' with DABCYL
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  primer VSPPR1
US-10-187-253A-61

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1620 AATATAAATATCCCCAGGG 1638
              |||  |||||||| ||| ||
Db         20 AATCTAAATATCTCCATGG 2


RESULT 490
US-10-108-732-20
; Sequence 20, Application US/10108732
; Publication No. US20030175721A1
; GENERAL INFORMATION:
;  APPLICANT: Box, Neil F
;  APPLICANT:  Duffy, David L
;  APPLICANT:  Hayward, Nicholas K
;  APPLICANT:  Martin, Nicholas G
;  APPLICANT:  Sturm, Richard A
;  APPLICANT:  Gruis, Nelleke A
;  APPLICANT:  Van Der Velden, Pieter
;  APPLICANT:  Bergman, Wilma
;  APPLICANT:  Frants, Rune R
;  TITLE OF INVENTION: MELANOMA RISK DETECTION
;  FILE REFERENCE: 8795-27U1
;  CURRENT APPLICATION NUMBER: US/10/108,732
;  CURRENT FILING DATE:  2002-03-28
;  PRIOR APPLICATION NUMBER: US 60/279,515
;  PRIOR FILING DATE: 2001-03-28
;  NUMBER OF SEQ ID NOS: 76
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: CDKN2A Exon 3 primer
US-10-108-732-20

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         40 CGGTAGGGACGGGAGGCGA 58
              |||||||||||| | | ||
Db          2 CGGTAGGGACGGCAAGAGA 20


RESULT 491
US-10-053-645A-26
; Sequence 26, Application US/10053645A
; Publication No. US20030176376A1
; GENERAL INFORMATION:
;  APPLICANT: Robert E. Klem
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING A
;  TITLE OF INVENTION:  CELL-PROLIFERATIVE DISORDER USING CRE DECOY OLIGOMERS, BCL-2
;  TITLE OF INVENTION:  ANTISENSE OLIGOMERS, AND HYBRID OLIGOMERS THEREOF
;  FILE REFERENCE: 10412-022-999
;  CURRENT APPLICATION NUMBER: US/10/053,645A
;  CURRENT FILING DATE:  2002-01-22
;  PRIOR APPLICATION NUMBER: 60/263,244
;  PRIOR FILING DATE: 2001-01-22
;  NUMBER OF SEQ ID NOS: 43
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 26
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Description of artificial sequence: Synthetic Antisense
;   OTHER INFORMATION: Oligionucleotide
US-10-053-645A-26

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy          6 GAGCCGCGGGCGGGAGGGC 24
              | || |||||||||| ||||
Db          1 GCGCGGCGGGCGGGCGGGC 19


RESULT 492
US-10-238-442-100/c
; Sequence 100, Application US/10238442
; Publication No. US20030176383A1
; GENERAL INFORMATION:
;  APPLICANT: Monia, Brett P.
```

```
  APPLICANT:  Gaarde, William A.
  APPLICANT:  Nero, Pamela S.
  APPLICANT:  McKay, Robert
  TITLE OF INVENTION: Antisense Modulation of p38 Mitogen
  TITLE OF INVENTION:  Activated Protein Kinase Expression
  FILE REFERENCE: ISPH-0488
  CURRENT APPLICATION NUMBER: US/10/238,442
  CURRENT FILING DATE:  2002-09-09
  PRIOR APPLICATION NUMBER: 09/640,101
  PRIOR FILING DATE: 2000-08-15
  PRIOR APPLICATION NUMBER: 09/286,904
  PRIOR FILING DATE: 1999-04-06
  NUMBER OF SEQ ID NOS: 107
  SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 100
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: antisense sequence
S-10-238-442-100

 Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
 Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y        784 TTCAAGCCGGTCATGTCCA 802
             |||| ||||| || |||||
b         20 TTCACGCCGGCCACGTCCA 2


ESULT 493
S-10-214-670-26/c
 Sequence 26, Application US/10214670
 Publication No. US20030180715A1
 GENERAL INFORMATION:
  APPLICANT: Tibotec Pharmaceuticals Ltd.
  TITLE OF INVENTION: Methods and means for assessing HIV envelope inhibitor
  TITLE OF INVENTION:  therapy
  FILE REFERENCE: VIP-0021 seq listing
  CURRENT APPLICATION NUMBER: US/10/214,670
  CURRENT FILING DATE:  2002-08-08
  PRIOR APPLICATION NUMBER: EP 01203011.0
  PRIOR FILING DATE: 2001-08-08
  PRIOR APPLICATION NUMBER: US 60/310497
  PRIOR FILING DATE: 2001-08-08
  NUMBER OF SEQ ID NOS: 62
  SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 26
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Human immunodeficiency virus
S-10-214-670-26

 Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
 Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y        907 GCCAAGTGTGTGGAATTTG 925
             | ||||| |||||||||| |
b         19 GGCAAGTCTGTGGAATTGG 1


ESULT 494
S-10-430-196-78
 Sequence 78, Application US/10430196
 Publication No. US20030194738A1
   GENERAL INFORMATION:
        APPLICANT: Nicholas M. Dean; Robert A. McKay; Loren J.
                   Miraglia; Brenda F. Baker
        TITLE OF INVENTION: Antisense Oligonucleotide
                            Compositions and Methods for the Modulation of
                            Activating Protein 1
;       NUMBER OF SEQUENCES: 139
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Law Offices of Jane Massey Licata
;            STREET: 66 East Main Street
;            CITY: Marlton
;            STATE: NJ
;            COUNTRY: USA
;            ZIP: 08053
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
;            COMPUTER: IBM PS/2
;            OPERATING SYSTEM: WINDOWS 95
;            SOFTWARE: WORDPERFECT 6.1
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/10/430,196
;            FILING DATE: 05-May-2003
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US/09/923,517A
;            FILING DATE: 07-Aug-2001
;            APPLICATION NUMBER: 09/364,416
;            FILING DATE: 1999-07-30
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Jane Massey Licata
;            REGISTRATION NUMBER: 32,257
;            REFERENCE/DOCKET NUMBER: ISPH-0209
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (609) 810-1515
;            TELEFAX: (609) 810-1454
;  INFORMATION FOR SEQ ID NO: 78:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 20
;            TYPE: Nucleic Acid
;            STRANDEDNESS: Single
;            TOPOLOGY: Linear
;       ANTI-SENSE: Yes
;       SEQUENCE DESCRIPTION: SEQ ID NO: 78:
US-10-430-196-78

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1554 TTTCTTCCCCAACCCCTCA 1572
              |||||||| |  |||||||
Db          2 TTTCTTCCACTGCCCCTCA 20


RESULT 495
US-10-430-196-95/c
; Sequence 95, Application US/10430196
; Publication No. US20030194738A1
;  GENERAL INFORMATION:
;       APPLICANT: Nicholas M. Dean; Robert A. McKay; Loren J.
;                  Miraglia; Brenda F. Baker
;       TITLE OF INVENTION: Antisense Oligonucleotide
;                           Compositions and Methods for the Modulation of
;                           Activating Protein 1
;       NUMBER OF SEQUENCES: 139
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Law Offices of Jane Massey Licata
;            STREET: 66 East Main Street
;            CITY: Marlton
;            STATE: NJ
;            COUNTRY: USA
;            ZIP: 08053
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
;            COMPUTER: IBM PS/2
;            OPERATING SYSTEM: WINDOWS 95
;            SOFTWARE: WORDPERFECT 6.1
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/10/430,196
```

```
;             FILING DATE: 05-May-2003
;             CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/09/923,517A
;             FILING DATE: 07-Aug-2001
;             APPLICATION NUMBER: 09/364,416
;             FILING DATE: 1999-07-30
;       ATTORNEY/AGENT INFORMATION:
;             NAME: Jane Massey Licata
;             REGISTRATION NUMBER: 32,257
;             REFERENCE/DOCKET NUMBER: ISPH-0209
;       TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (609) 810-1515
;             TELEFAX: (609) 810-1454
;   INFORMATION FOR SEQ ID NO: 95:
;       SEQUENCE CHARACTERISTICS:
;             LENGTH: 20
;             TYPE: Nucleic Acid
;             STRANDEDNESS: Single
;             TOPOLOGY: Linear
;       ANTI-SENSE: Yes
;       SEQUENCE DESCRIPTION: SEQ ID NO: 95:
US-10-430-196-95

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1554 TTTCTTCCCCAACCCCTCA 1572
              ||||||||  |  |||||||
Db         19 TTTCTTCCACTGCCCCTCA 1


RESULT 496
US-10-056-229-120/c
; Sequence 120, Application US/10056229
; Publication No. US20030198943A1
; GENERAL INFORMATION:
;  APPLICANT: Remacle, Jose
;  APPLICANT:  Hamels, Sandrine
;  APPLICANT:  Zammatteo, Nathalie
;  APPLICANT:  Lockman, Laurence
;  APPLICANT:  Dufour, Sophie
;  APPLICANT:  Alexandre, Isabelle
;  APPLICANT:  De Longueville, Francoise
;  TITLE OF INVENTION: IDENTIFICATION OF A LARGE NUMBER OF
;  TITLE OF INVENTION:  BIOLOGICAL (MICRO)ORGANISMS GROUPS AT DIFFERENT
;  TITLE OF INVENTION:  LEVELS BY THEIR DETECTION ON A SAME ARRAY
;  FILE REFERENCE: VANM213.001CP1
;  CURRENT APPLICATION NUMBER: US/10/056,229
;  CURRENT FILING DATE:  2002-01-23
;  PRIOR APPLICATION NUMBER: EP 00870055.1
;  PRIOR FILING DATE: 2000-03-24
;  PRIOR APPLICATION NUMBER: EP 00870204.5
;  PRIOR FILING DATE: 2000-03-24
;  PRIOR APPLICATION NUMBER: US 09/817,014
;  PRIOR FILING DATE: 2001-03-23
;  NUMBER OF SEQ ID NOS: 321
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 120
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: consensus primer for subtype 7 sense
US-10-056-229-120

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        628 ACCACGGACCGGGTCATGA 646
              | |||| || |||||||||
Db         20 ATCACGCACAGGGTCATGA 2


RESULT 497
US-10-056-229-127/c
; Sequence 127, Application US/10056229
; Publication No. US20030198943A1
; GENERAL INFORMATION:
;  APPLICANT: Remacle, Jose
;  APPLICANT:  Hamels, Sandrine
;  APPLICANT:  Zammatteo, Nathalie
;  APPLICANT:  Lockman, Laurence
;  APPLICANT:  Dufour, Sophie
;  APPLICANT:  Alexandre, Isabelle
;  APPLICANT:  De Longueville, Francoise
;  TITLE OF INVENTION: IDENTIFICATION OF A LARGE NUMBER OF
;  TITLE OF INVENTION:  BIOLOGICAL (MICRO)ORGANISMS GROUPS AT DIFFERENT
;  TITLE OF INVENTION:  LEVELS BY THEIR DETECTION ON A SAME ARRAY
;  FILE REFERENCE: VANM213.001CP1
;  CURRENT APPLICATION NUMBER: US/10/056,229
;  CURRENT FILING DATE:  2002-01-23
;  PRIOR APPLICATION NUMBER: EP 00870055.1
;  PRIOR FILING DATE: 2000-03-24
;  PRIOR APPLICATION NUMBER: EP 00870204.5
;  PRIOR FILING DATE: 2000-03-24
;  PRIOR APPLICATION NUMBER: US 09/817,014
;  PRIOR FILING DATE: 2001-03-23
;  NUMBER OF SEQ ID NOS: 321
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 127
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: consensus primer for Specific 7
US-10-056-229-127

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        628 ACCACGGACCGGGTCATGA 646
              | |||| || |||||||||
Db         20 ATCACGCACAGGGTCATGA 2


RESULT 498
US-10-054-435-3
; Sequence 3, Application US/10054435
; Publication No. US20030203464A1
; GENERAL INFORMATION:
;  APPLICANT: Bollag, Gideon
;  APPLICANT:  Crompton, Anne
;  APPLICANT:  No. US20030203464A1th, Anne
;  APPLICANT:  Sharma, Sanju
;  APPLICANT:  Roscoe, William
;  TITLE OF INVENTION: Methods and Compositions for Treating Abnormal Cell
;  TITLE OF INVENTION:  Growth Related to Unwanted Guanine Nucleotide Exchange
;  TITLE OF INVENTION:  Factor Activity
;  FILE REFERENCE: 1028-US
;  CURRENT APPLICATION NUMBER: US/10/054,435
;  CURRENT FILING DATE:  2002-01-18
;  PRIOR APPLICATION NUMBER: 09/079,812
;  PRIOR FILING DATE: 1998-05-15
;  PRIOR APPLICATION NUMBER: 60/049,879
;  PRIOR FILING DATE: 1997-06-17
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Oligo
US-10-054-435-3
```

```
 Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
 Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        775 GAGGCCATTTTCAAGCCGG 793
              ||||||||  |||  |||  ||
Db          2 GAGGCCATGTTCGAGCTGG 20


RESULT 499
US-10-438-075-5/c
 Sequence 5, Application US/10438075
 Publication No. US20030216345A1
 GENERAL INFORMATION:
  APPLICANT: Schering Aktiengesellschaft
  TITLE OF INVENTION: Histone deacetylase inhibitor and use thereof
  FILE REFERENCE: 1023370
  CURRENT APPLICATION NUMBER: US/10/438,075
  CURRENT FILING DATE:  2003-05-15
  NUMBER OF SEQ ID NOS: 31
 SEQ ID NO 5
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial sequence
   FEATURE:
   NAME/KEY:
   LOCATION:
   OTHER INFORMATION: Antisense oligonucleotide no.3
US-10-438-075-5

 Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
 Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        190 CTCAACTATGGTCTCTACC 208
              ||||||||||  ||| |||
Db         19 CTCAACTATGACCTCAACC 1


RESULT 500
US-10-358-851-8/c
 Sequence 8, Application US/10358851
 Publication No. US20030220279A1
   GENERAL INFORMATION:
        APPLICANT: Honkanen, Richard E
        TITLE OF INVENTION: DECREASING CELL PROLIFERATION BY
                            DECREASING LEVELS OF PP5
        NUMBER OF SEQUENCES: 15
        CORRESPONDENCE ADDRESS:
             ADDRESSEE: Braman & Rogalskyj, LLP
             STREET: P.O. Box 352
             CITY: Canandaigua
             STATE: New York
             COUNTRY: USA
             ZIP: 14614-1310
        COMPUTER READABLE FORM:
             MEDIUM TYPE: Floppy disk
             COMPUTER: IBM PC compatible
             OPERATING SYSTEM: PC-DOS/MS-DOS
             SOFTWARE: PatentIn Release #1.0, Version #1.30
        CURRENT APPLICATION DATA:
             APPLICATION NUMBER: US/10/358,851
             FILING DATE: 05-Feb-2003
             CLASSIFICATION: <Unknown>
        PRIOR APPLICATION DATA:
             APPLICATION NUMBER: US/09/649,728
             FILING DATE: 28-Aug-2000
             APPLICATION NUMBER: US 08/975,127
             FILING DATE: 20-NOV-1997
        ATTORNEY/AGENT INFORMATION:
             NAME: Braman, Susan J
             REGISTRATION NUMBER: 34,103
             REFERENCE/DOCKET NUMBER: 004.00126
        TELECOMMUNICATION INFORMATION:
             TELEPHONE: 716-393-3002
             TELEFAX: 716-393-3001
   INFORMATION FOR SEQ ID NO: 8:
        SEQUENCE CHARACTERISTICS:
             LENGTH: 20 base pairs
             TYPE: nucleic acid
             STRANDEDNESS: single
             TOPOLOGY: linear
        MOLECULE TYPE: other nucleic acid
        ANTI-SENSE: YES
        SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-10-358-851-8

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        246 TGAGGAGATGACCAAGTAC 264
              |||||  ||  |  ||||||||
Db         19 TGAGGTGAAGGCCAAGTAC 1


RESULT 501
US-10-323-069A-41/c
 Sequence 41, Application US/10323069A
 Publication No. US20030228328A1
 GENERAL INFORMATION:
  APPLICANT: Hardham, John M.
  APPLICANT:  King, Kendall W.
  TITLE OF INVENTION: VACCINE FOR PERIODONTAL DISEASE
  FILE REFERENCE: PC11864A
  CURRENT APPLICATION NUMBER: US/10/323,069A
  CURRENT FILING DATE:  2002-12-18
  NUMBER OF SEQ ID NOS: 137
  SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 41
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence:PFZ188-AP5
US-10-323-069A-41

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1120 CAGAACACGAATGAGTACC 1138
              ||||||  |  ||  |||||||
Db         20 CAGAACTCAAAGGAGTACC 2


RESULT 502
US-10-159-856-24
 Sequence 24, Application US/10159856
 Publication No. US20030228689A1
 GENERAL INFORMATION:
  APPLICANT: Susan M. Freier
  APPLICANT:  Kenneth W. Dobie
  TITLE OF INVENTION: ANTISENSE MODULATION OF G PROTEIN-COUPLED RECEPTOR KINASE 6 EXPRE
  FILE REFERENCE: RTS-0365
  CURRENT APPLICATION NUMBER: US/10/159,856
  CURRENT FILING DATE:  2002-05-31
  NUMBER OF SEQ ID NOS: 134
 SEQ ID NO 24
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
US-10-159-856-24
```

```
  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1131 TGAGTACCTGGAGAAGATC 1149
              ||||| |||||| ||| ||
Db          1 TGAGTTCCTGGAAAAGGTC 19


RESULT 503
US-10-173-192-13/c
; Sequence 13, Application US/10173192
; Publication No. US20030236204A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/173,192
;  CURRENT FILING DATE:  2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 13
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-173-192-13

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1307 CCTGTGAGGAAGAGTTCTC 1325
              | ||||| ||||| |||||
Db         20 CTTGTGATGAAGAATTCTC 2


RESULT 504
US-10-173-192-15/c
; Sequence 15, Application US/10173192
; Publication No. US20030236204A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/173,192
;  CURRENT FILING DATE:  2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 15
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-173-192-15

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1046 TTCCATACAATGACTACTT 1064
              | ||||| ||||| |||||
Db         19 TGCCATATAATGATTACTT 1


RESULT 505
US-10-173-192-20/c
; Sequence 20, Application US/10173192
; Publication No. US20030236204A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/173,192
;  CURRENT FILING DATE:  2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 20
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-173-192-20

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        173 TGACTCATAATTTGCTGCT 191
              |||| ||||| |||||| |
Db         20 TGACCCATAACTTGCTGTT 2


RESULT 506
US-10-173-192-23/c
; Sequence 23, Application US/10173192
; Publication No. US20030236204A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/173,192
;  CURRENT FILING DATE:  2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 23
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-173-192-23

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        757 ATTGATGACGAGTCCTATG 775
              || ||||| ||||| ||||
Db         19 ATAGATGATGAGTCATATG 1


RESULT 507
US-10-173-192-31/c
; Sequence 31, Application US/10173192
; Publication No. US20030236204A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/173,192
;  CURRENT FILING DATE:  2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 31
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-173-192-31
```

```
 Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
 Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1309 TGTGAGGAAGAGTTCTCCG 1327
              ||||| ||||| ||||| |
Db         19 TGTGATGAAGAATTCTCAG 1


RESULT 508
US-10-173-192-40/c
 Sequence 40, Application US/10173192
 Publication No. US20030236204A1
 GENERAL INFORMATION:
  APPLICANT: Brett P. Monia
  APPLICANT:  Kenneth W. Dobie
  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
  FILE REFERENCE: PTS-0022
  CURRENT APPLICATION NUMBER: US/10/173,192
  CURRENT FILING DATE:  2002-06-14
  NUMBER OF SEQ ID NOS: 71
 SEQ ID NO 40
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
US-10-173-192-40

 Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
 Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        970 TACACCATTCGTAACGTTG 988
              ||||| || ||||| ||||
Db         19 TACACAATCCGTAATGTTG 1


RESULT 509
US-10-173-192-51
 Sequence 51, Application US/10173192
 Publication No. US20030236204A1
 GENERAL INFORMATION:
  APPLICANT: Brett P. Monia
  APPLICANT:  Kenneth W. Dobie
  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
  FILE REFERENCE: PTS-0022
  CURRENT APPLICATION NUMBER: US/10/173,192
  CURRENT FILING DATE:  2002-06-14
  NUMBER OF SEQ ID NOS: 71
 SEQ ID NO 51
   LENGTH: 20
   TYPE: DNA
   ORGANISM: H. sapiens
   FEATURE:
US-10-173-192-51

 Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
 Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1046 TTCCATACAATGACTACTT 1064
              | ||||| ||||| |||||
Db          2 TGCCATATAATGATTACTT 20


RESULT 510
US-10-173-192-53
 Sequence 53, Application US/10173192
 Publication No. US20030236204A1
 GENERAL INFORMATION:
  APPLICANT: Brett P. Monia
  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/173,192
;  CURRENT FILING DATE:  2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 53
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-173-192-53

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        173 TGACTCATAATTTGCTGCT 191
              |||| ||||| |||||| |
Db          1 TGACCCATAACTTGCTGTT 19


RESULT 511
US-10-173-192-55
; Sequence 55, Application US/10173192
; Publication No. US20030236204A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/173,192
;  CURRENT FILING DATE:  2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 55
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-173-192-55

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        757 ATTGATGACGAGTCCTATG 775
              || ||||| ||||| ||||
Db          2 ATAGATGATGAGTCATATG 20


RESULT 512
US-10-173-192-65
; Sequence 65, Application US/10173192
; Publication No. US20030236204A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/173,192
;  CURRENT FILING DATE:  2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 65
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-173-192-65

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        970 TACACCATTCGTAACGTTG 988
```

```
              ||||| || ||||| ||||
Db          2 TACACAATCCGTAATGTTG 20


RESULT 513
US-10-271-602B-12
; Sequence 12, Application US/10271602B
; Publication No. US20040002073A1
; GENERAL INFORMATION:
;  APPLICANT: Alice Xiang Li
;  APPLICANT:  Ghazala Hashmi
;  APPLICANT:  Michael Seul
;  TITLE OF INVENTION: MULTIPLEXED ANALYSIS OF POLYMORPHIC LOCI
;  TITLE OF INVENTION:  BY CONCURRENT INTERROGATION AND ENZYME-MEDIATED DETECTION
;  FILE REFERENCE: eMAP-US
;  CURRENT APPLICATION NUMBER: US/10/271,602B
;  CURRENT FILING DATE:  2002-10-15
;  PRIOR APPLICATION NUMBER: 60/329,427
;  PRIOR FILING DATE: 2001-10-14
;  PRIOR APPLICATION NUMBER: 60/329,620
;  PRIOR FILING DATE: 2001-10-15
;  PRIOR APPLICATION NUMBER: 60/329,428
;  PRIOR FILING DATE: 2001-10-14
;  PRIOR APPLICATION NUMBER: 60/329,619
;  PRIOR FILING DATE: 2001-10-15
;  PRIOR APPLICATION NUMBER: 60/364,416
;  PRIOR FILING DATE: 2002-03-14
;  NUMBER OF SEQ ID NOS: 212
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Probe sequence derived from human genomic sequence
US-10-271-602B-12

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1487 TCAAGGAGGAGGTCAAGTT 1505
              ||  |||||||||| |||||
Db          2 TCTTGGAGGAGGTTAAGTT 20


RESULT 514
US-10-271-602B-32
; Sequence 32, Application US/10271602B
; Publication No. US20040002073A1
; GENERAL INFORMATION:
;  APPLICANT: Alice Xiang Li
;  APPLICANT:  Ghazala Hashmi
;  APPLICANT:  Michael Seul
;  TITLE OF INVENTION: MULTIPLEXED ANALYSIS OF POLYMORPHIC LOCI
;  TITLE OF INVENTION:  BY CONCURRENT INTERROGATION AND ENZYME-MEDIATED DETECTION
;  FILE REFERENCE: eMAP-US
;  CURRENT APPLICATION NUMBER: US/10/271,602B
;  CURRENT FILING DATE:  2002-10-15
;  PRIOR APPLICATION NUMBER: 60/329,427
;  PRIOR FILING DATE: 2001-10-14
;  PRIOR APPLICATION NUMBER: 60/329,620
;  PRIOR FILING DATE: 2001-10-15
;  PRIOR APPLICATION NUMBER: 60/329,428
;  PRIOR FILING DATE: 2001-10-14
;  PRIOR APPLICATION NUMBER: 60/329,619
;  PRIOR FILING DATE: 2001-10-15
;  PRIOR APPLICATION NUMBER: 60/364,416
;  PRIOR FILING DATE: 2002-03-14
;  NUMBER OF SEQ ID NOS: 212
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 32
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Human
US-10-271-602B-32

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1487 TCAAGGAGGAGGTCAAGTT 1505
              ||  |||||||||| |||||
Db          2 TCTTGGAGGAGGTTAAGTT 20


RESULT 515
US-10-289-762-2212
; Sequence 2212, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, prevc
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 2212
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-2212

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1425 GGAGAAGAAAGAAGTCACC 1443
              || ||||| |||| |||||
Db          1 GGTGAAGAGAGAACTCACC 19


RESULT 516
US-10-289-762-4965
; Sequence 4965, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 4965
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-4965

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        585 CATTGATATTCACCATGGT 603
              ||||| || |||| |||||
Db          2 CATTGGTACTCACGATGGT 20


RESULT 517
US-10-289-762-5034
; Sequence 5034, Application US/10289762
; Publication No. US20040006218A1
```

```
 GENERAL INFORMATION:
  APPLICANT: Griffais, R.
  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
  TITLE OF INVENTION:  and treatment of infection
  FILE REFERENCE: 9710-003-999
  CURRENT APPLICATION NUMBER: US/10/289,762
  CURRENT FILING DATE:  2003-03-27
  NUMBER OF SEQ ID NOS: 6849
 SEQ ID NO 5034
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Chlamydia pneumoniae
S-10-289-762-5034

 Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
 Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y       1349 GGGGCCGCAAGAACTCTTC 1367
             | |||||||| || |||||
b          2 GAGGCCGCAAAAAATCTTC 20


ESULT 518
S-10-289-762-6815
 Sequence 6815, Application US/10289762
 Publication No. US20040006218A1
 GENERAL INFORMATION:
  APPLICANT: Griffais, R.
  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
  TITLE OF INVENTION:  and treatment of infection
  FILE REFERENCE: 9710-003-999
  CURRENT APPLICATION NUMBER: US/10/289,762
  CURRENT FILING DATE:  2003-03-27
  NUMBER OF SEQ ID NOS: 6849
 SEQ ID NO 6815
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Chlamydia pneumoniae
S-10-289-762-6815

 Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
 Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y        865 GGGGATCGGTTAGGTTGCT 883
             ||| |||||||| |||||
b          1 GGGAATCGGTTATCTTGCT 19


ESULT 519
S-10-352-179-72/c
 Sequence 72, Application US/10352179
 Publication No. US20040006788A1
 GENERAL INFORMATION:
  APPLICANT: Wang, Guo-liang
  APPLICANT:  Liu, Guifu
  TITLE OF INVENTION: Procedures and Materials for Conferring Disease Resistance in Pla
  FILE REFERENCE: 22727/04108
  CURRENT APPLICATION NUMBER: US/10/352,179
  CURRENT FILING DATE:  2003-01-27
  PRIOR APPLICATION NUMBER: 60/352,106
  PRIOR FILING DATE: 2002-01-25
  NUMBER OF SEQ ID NOS: 97
  SOFTWARE: PatentIn version 3.1
 SEQ ID NO 72
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Oryza minuta
S-10-352-179-72

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1241 GTGGCGATGAGGACGAAGA 1259
              || ||||| | ||||||||
Db         20 GTTGCGATAAAGACGAAGA 2


RESULT 520
US-10-444-206-178/c
; Sequence 178, Application US/10444206
; Publication No. US20040023917A1
; GENERAL INFORMATION:
;  APPLICANT: Bennett, Clarence Frank
;  APPLICANT:  Vickers, Timothy A.
;  APPLICANT:  Karras, James G.
;  TITLE OF INVENTION: Oligonucleotide Compositions and Methods for the
;  TITLE OF INVENTION:  Modulation of the Expression of B7 Protein
;  FILE REFERENCE:
;  CURRENT APPLICATION NUMBER: US/10/444,206
;  CURRENT FILING DATE:  2003-05-23
;  PRIOR APPLICATION NUMBER: 09/851,871
;  PRIOR FILING DATE: 2001-05-09
;  PRIOR APPLICATION NUMBER: PCT/US00/14471
;  PRIOR FILING DATE: 2000-05-25
;  PRIOR APPLICATION NUMBER: 09/326,186
;  PRIOR FILING DATE: 1999-06-04
;  PRIOR APPLICATION NUMBER: 08/777,266
;  PRIOR FILING DATE: 1996 12 31
;  NUMBER OF SEQ ID NOS: 444
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 178
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-10-444-206-178

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1277 TCTCGATCTGCTCCTCTGA 1295
              ||| |  ||||||||||||
Db         19 TCTGGTGCTGCTCCTCTGA 1


RESULT 521
US-10-272-727-84/c
; Sequence 84, Application US/10272727
; Publication No. US20040077567A1
; GENERAL INFORMATION:
;  APPLICANT: Andrew T. Watt
;  APPLICANT:  Randy Lane Bell
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CD36 EXPRESSION
;  FILE REFERENCE: RTS-0261
;  CURRENT APPLICATION NUMBER: US/10/272,727
;  CURRENT FILING DATE:  2002-10-16
;  NUMBER OF SEQ ID NOS: 102
; SEQ ID NO 84
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-272-727-84

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;
```

```
Qy       2000 AATTCTGCAGGTGGAGGTT 2018
              ||| |||||| ||||| ||
Db         19 AATACTGCAGATGGAGTTT 1


RESULT 522
US-10-272-811-84/c
; Sequence 84, Application US/10272811
; Publication No. US20040076621A1
; GENERAL INFORMATION:
;  APPLICANT: Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CD36 EXPRESSION
;  FILE REFERENCE: RTS-0162
;  CURRENT APPLICATION NUMBER: US/10/272,811
;  CURRENT FILING DATE:  2002-10-16
;  NUMBER OF SEQ ID NOS: 102
; SEQ ID NO 84
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-272-811-84

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2000 AATTCTGCAGGTGGAGGTT 2018
              ||| |||||| ||||| ||
Db         19 AATACTGCAGATGGAGTTT 1


RESULT 523
US-10-653-528-13/c
; Sequence 13, Application US/10653528
; Publication No. US20040077578A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/653,528
;  CURRENT FILING DATE:  2003-09-02
;  PRIOR APPLICATION NUMBER: US/10/173,192
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 13
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-653-528-13

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1307 CCTGTGAGGAAGAGTTCTC 1325
              | ||||| ||||| |||||
Db         20 CTTGTGATGAAGAATTCTC 2


RESULT 524
US-10-653-528-15/c
; Sequence 15, Application US/10653528
; Publication No. US20040077578A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/653,528
;  CURRENT FILING DATE:  2003-09-02
;  PRIOR APPLICATION NUMBER: US/10/173,192
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 15
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-653-528-15

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1046 TTCCATACAATGACTACTT 1064
              | ||||| ||||| |||||
Db         19 TGCCATATAATGATTACTT 1


RESULT 525
US-10-653-528-20/c
; Sequence 20, Application US/10653528
; Publication No. US20040077578A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/653,528
;  CURRENT FILING DATE:  2003-09-02
;  PRIOR APPLICATION NUMBER: US/10/173,192
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 20
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-653-528-20

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        173 TGACTCATAATTTGCTGCT 191
              |||| ||||| |||||| |
Db         20 TGACCCATAACTTGCTGTT 2


RESULT 526
US-10-653-528-23/c
; Sequence 23, Application US/10653528
; Publication No. US20040077578A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/653,528
;  CURRENT FILING DATE:  2003-09-02
;  PRIOR APPLICATION NUMBER: US/10/173,192
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 23
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
```

S-10-653-528-23

Query Match 0.7%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 6.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 757 ATTGATGACGAGTCCTATG 775
|| ||||| ||||| ||||
Db 19 ATAGATGATGAGTCATATG 1

RESULT 527
US-10-653-528-31/c
Sequence 31, Application US/10653528
Publication No. US20040077578A1
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
FILE REFERENCE: PTS-0022
CURRENT APPLICATION NUMBER: US/10/653,528
CURRENT FILING DATE: 2003-09-02
PRIOR APPLICATION NUMBER: US/10/173,192
PRIOR FILING DATE: 2002-06-14
NUMBER OF SEQ ID NOS: 71
SEQ ID NO 31
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-10-653-528-31

Query Match 0.7%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 6.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1309 TGTGAGGAAGAGTTCTCCG 1327
||||| ||||| ||||| |
Db 19 TGTGATGAAGAATTCTCAG 1

RESULT 528
US-10-653-528-40/c
Sequence 40, Application US/10653528
Publication No. US20040077578A1
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
FILE REFERENCE: PTS-0022
CURRENT APPLICATION NUMBER: US/10/653,528
CURRENT FILING DATE: 2003-09-02
PRIOR APPLICATION NUMBER: US/10/173,192
PRIOR FILING DATE: 2002-06-14
NUMBER OF SEQ ID NOS: 71
SEQ ID NO 40
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-10-653-528-40

Query Match 0.7%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 6.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 970 TACACCATTCGTAACGTTG 988
||||| || ||||| ||||
Db 19 TACACAATCCGTAATGTTG 1

RESULT 529
US-10-653-528-51
; Sequence 51, Application US/10653528
; Publication No. US20040077578A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
; FILE REFERENCE: PTS-0022
; CURRENT APPLICATION NUMBER: US/10/653,528
; CURRENT FILING DATE: 2003-09-02
; PRIOR APPLICATION NUMBER: US/10/173,192
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 51
; LENGTH: 20
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
US-10-653-528-51

Query Match 0.7%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 6.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1046 TTCCATACAATGACTACTT 1064
| ||||| ||||| |||||
Db 2 TGCCATATAATGATTACTT 20

RESULT 530
US-10-653-528-53
; Sequence 53, Application US/10653528
; Publication No. US20040077578A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
; FILE REFERENCE: PTS-0022
; CURRENT APPLICATION NUMBER: US/10/653,528
; CURRENT FILING DATE: 2003-09-02
; PRIOR APPLICATION NUMBER: US/10/173,192
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 53
; LENGTH: 20
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
US-10-653-528-53

Query Match 0.7%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 6.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 173 TGACTCATAATTTGCTGCT 191
|||| ||||| |||||| |
Db 1 TGACCCATAACTTGCTGTT 19

RESULT 531
US-10-653-528-55
; Sequence 55, Application US/10653528
; Publication No. US20040077578A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
; FILE REFERENCE: PTS-0022
; CURRENT APPLICATION NUMBER: US/10/653,528
; CURRENT FILING DATE: 2003-09-02
; PRIOR APPLICATION NUMBER: US/10/173,192
; PRIOR FILING DATE: 2002-06-14

```
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 55
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-653-528-55

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        757 ATTGATGACGAGTCCTATG 775
              || ||||| ||||| ||||
Db          2 ATAGATGATGAGTCATATG 20


RESULT 532
US-10-653-528-65
; Sequence 65, Application US/10653528
; Publication No. US20040077578A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/653,528
;  CURRENT FILING DATE:  2003-09-02
;  PRIOR APPLICATION NUMBER: US/10/173,192
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 65
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-653-528-65

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        970 TACACCATTCGTAACGTTG 988
              ||||| || ||||| ||||
Db          2 TACACAATCCGTAATGTTG 20


RESULT 533
US-10-293-869-20/c
; Sequence 20, Application US/10293869
; Publication No. US20040097440A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Nicholas M. Dean
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF JUMONJI EXPRESSION
;  FILE REFERENCE: HTS-0012
;  CURRENT APPLICATION NUMBER: US/10/293,869
;  CURRENT FILING DATE:  2002-11-11
;  NUMBER OF SEQ ID NOS: 72
; SEQ ID NO 20
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-293-869-20

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1039 AATGAGCTTCCATACAATG 1057
                ||| | ||||||||||  ||
Db         19 AATCACCTTCCATACATTG 1


RESULT 534
US-10-293-869-56
; Sequence 56, Application US/10293869
; Publication No. US20040097440A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Nicholas M. Dean
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF JUMONJI EXPRESSION
;  FILE REFERENCE: HTS-0012
;  CURRENT APPLICATION NUMBER: US/10/293,869
;  CURRENT FILING DATE:  2002-11-11
;  NUMBER OF SEQ ID NOS: 72
; SEQ ID NO 56
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-293-869-56

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1039 AATGAGCTTCCATACAATG 1057
                ||| | ||||||||||  ||
Db          2 AATCACCTTCCATACATTG 20


RESULT 535
US-10-298-354-25/c
; Sequence 25, Application US/10298354
; Publication No. US20040097442A1
; GENERAL INFORMATION:
;  APPLICANT: Donna T. Ward
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF MAPK ASSOCIATED KINASE 3 EXPRESSION
;  FILE REFERENCE: PTS-0054
;  CURRENT APPLICATION NUMBER: US/10/298,354
;  CURRENT FILING DATE:  2002-11-16
;  NUMBER OF SEQ ID NOS: 80
; SEQ ID NO 25
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-298-354-25

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1522 TCCAGCTCTGGCTTCCTGC 1540
              |||||| ||| ||| ||||
Db         19 TCCAGCCCTGCCTTGCTGC 1


RESULT 536
US-10-298-354-60
; Sequence 60, Application US/10298354
; Publication No. US20040097442A1
; GENERAL INFORMATION:
;  APPLICANT: Donna T. Ward
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF MAPK ASSOCIATED KINASE 3 EXPRESSION
;  FILE REFERENCE: PTS-0054
```

CURRENT APPLICATION NUMBER: US/10/298,354
CURRENT FILING DATE: 2002-11-16
NUMBER OF SEQ ID NOS: 80
SEQ ID NO 60
LENGTH: 20
TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
S-10-298-354-60

Query Match 0.7%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 6.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

y 1522 TCCAGCTCTGGCTTCCTGC 1540
||||||| ||| ||| ||||
b 2 TCCAGCCCTGCCTTGCTGC 20

ESULT 537
S-10-303-587-41/c
Sequence 41, Application US/10303587
Publication No. US20040102400A1
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Nicholas M. Dean
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF UBE2G1 EXPRESSION
FILE REFERENCE: HTS-0029
CURRENT APPLICATION NUMBER: US/10/303,587
CURRENT FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 72
SEQ ID NO 41
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
S-10-303-587-41

Query Match 0.7%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 6.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

y 1796 AAATGCCAAGTGCCTGCTT 1814
||| |||||| | ||||||
b 20 AAAAGCCAAGAGACTGCTT 2

ESULT 538
S-10-303-587-71
Sequence 71, Application US/10303587
Publication No. US20040102400A1
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Nicholas M. Dean
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF UBE2G1 EXPRESSION
FILE REFERENCE: HTS-0029
CURRENT APPLICATION NUMBER: US/10/303,587
CURRENT FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 72
SEQ ID NO 71
LENGTH: 20
TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
S-10-303-587-71

Query Match 0.7%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 6.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1796 AAATGCCAAGTGCCTGCTT 1814
||| |||||| | ||||||
Db 1 AAAAGCCAAGAGACTGCTT 19

RESULT 539
US-10-688-706-2382/c
; Sequence 2382, Application US/10688706
; Publication No. US20040102412A1
; GENERAL INFORMATION:
; APPLICANT: Pharmacia Corp.
; APPLICANT: Broschat, Kay
; TITLE OF INVENTION: ANTISENSE MODULATION OF GFAT EXPRESSION
; FILE REFERENCE: 01393/1
; CURRENT APPLICATION NUMBER: US/10/688,706
; CURRENT FILING DATE: 2003-10-17
; PRIOR APPLICATION NUMBER: 60/419,268
; PRIOR FILING DATE: 2002-10-17
; NUMBER OF SEQ ID NOS: 3071
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2382
; LENGTH: 20
; TYPE: DNA
; ORGANISM: artificial
; FEATURE:
; OTHER INFORMATION: human GFAT antisense
US-10-688-706-2382

Query Match 0.7%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 6.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 412 TCTGTGGCAAGTGCTGTGA 430
|||| |||||||||||| |
Db 20 TCTGATGCAAGTGCTGTCA 2

RESULT 540
US-10-688-706-2744/c
; Sequence 2744, Application US/10688706
; Publication No. US20040102412A1
; GENERAL INFORMATION:
; APPLICANT: Pharmacia Corp.
; APPLICANT: Broschat, Kay
; TITLE OF INVENTION: ANTISENSE MODULATION OF GFAT EXPRESSION
; FILE REFERENCE: 01393/1
; CURRENT APPLICATION NUMBER: US/10/688,706
; CURRENT FILING DATE: 2003-10-17
; PRIOR APPLICATION NUMBER: 60/419,268
; PRIOR FILING DATE: 2002-10-17
; NUMBER OF SEQ ID NOS: 3071
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2744
; LENGTH: 20
; TYPE: DNA
; ORGANISM: artificial
; FEATURE:
; OTHER INFORMATION: human GFAT antisense
US-10-688-706-2744

Query Match 0.7%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 6.5e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 408 TGGTTCTGTGGCAAGTGCT 426
|| ||||| |||||||||
Db 19 TGCTTCTGATGCAAGTGCT 1

RESULT 541
US-10-316-243-72
; Sequence 72, Application US/10316243
; Publication No. US20040110147A1

```
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  APPLICANT:  Ravi Jain
;  TITLE OF INVENTION: MODULATION OF BAF53 EXPRESSION
;  FILE REFERENCE: RTS-0462
;  CURRENT APPLICATION NUMBER: US/10/316,243
;  CURRENT FILING DATE:  2002-12-09
;  NUMBER OF SEQ ID NOS: 168
; SEQ ID NO 72
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-316-243-72

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1867 CTTCAAGGATCTCCTGTTT 1885
              ||| |||| | ||||||||
Db          2 CTTGAAGGTTATCCTGTTT 20


RESULT 542
US-10-316-243-149/c
; Sequence 149, Application US/10316243
; Publication No. US20040110147A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  APPLICANT:  Ravi Jain
;  TITLE OF INVENTION: MODULATION OF BAF53 EXPRESSION
;  FILE REFERENCE: RTS-0462
;  CURRENT APPLICATION NUMBER: US/10/316,243
;  CURRENT FILING DATE:  2002-12-09
;  NUMBER OF SEQ ID NOS: 168
; SEQ ID NO 149
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-316-243-149

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1867 CTTCAAGGATCTCCTGTTT 1885
              ||| |||| | ||||||||
Db         19 CTTGAAGGTTATCCTGTTT 1


RESULT 543
US-10-451-923-17/c
; Sequence 17, Application US/10451923
; Publication No. US20040110171A1
; GENERAL INFORMATION:
;  APPLICANT: OHE, NORIHISA
;  TITLE OF INVENTION: METHODS OF EXAMINING ABILITY TO CONTROL NERVE CELL PLASTICITY
;  FILE REFERENCE: Q76306
;  CURRENT APPLICATION NUMBER: US/10/451,923
;  CURRENT FILING DATE:  2003-12-29
;  PRIOR APPLICATION NUMBER: PCT/JP01/11063
;  PRIOR FILING DATE: 2001-12-17
;  PRIOR APPLICATION NUMBER: JP 2000-398548
;  PRIOR FILING DATE: 2000-12-27
;  PRIOR APPLICATION NUMBER: JP 2001-077740
;  PRIOR FILING DATE: 2001-03-19
;  NUMBER OF SEQ ID NOS: 34
;  SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 17
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: PCR primer
US-10-451-923-17

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1637 GGACAGAAACCAAGGCCCC 1655
              ||||||| |||| |||| |
Db         19 GGACAGACACCAGGGCCAC 1


RESULT 544
US-10-319-914-31/c
; Sequence 31, Application US/10319914
; Publication No. US20040115652A1
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF TEK EXPRESSION
;  FILE REFERENCE: RTS-0448
;  CURRENT APPLICATION NUMBER: US/10/319,914
;  CURRENT FILING DATE:  2002-12-12
;  NUMBER OF SEQ ID NOS: 166
; SEQ ID NO 31
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-319-914-31

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        328 AAGCAGATGCAGAGATTCA 346
              ||| |||||||| |||| |
Db         19 AAGAAGATGCAGTGATTTA 1


RESULT 545
US-10-319-914-109
; Sequence 109, Application US/10319914
; Publication No. US20040115652A1
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF TEK EXPRESSION
;  FILE REFERENCE: RTS-0448
;  CURRENT APPLICATION NUMBER: US/10/319,914
;  CURRENT FILING DATE:  2002-12-12
;  NUMBER OF SEQ ID NOS: 166
; SEQ ID NO 109
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-319-914-109

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        328 AAGCAGATGCAGAGATTCA 346
              ||| |||||||| |||| |
Db          2 AAGAAGATGCAGTGATTTA 20


RESULT 546
```

```
S-10-625-414-6/c
 Sequence 6, Application US/10625414
 Publication No. US20040171564A1
 GENERAL INFORMATION:
  APPLICANT: Honkanen, Richard E.
  APPLICANT:  Dean, Nicholas M
  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODUATION OF HUMAN SERINE/THREONINE PRO
  TITLE OF INVENTION:  PHOSPHATASE GENE EXPRESSION
  FILE REFERENCE: ISPH-0741
  CURRENT APPLICATION NUMBER: US/10/625,414
  CURRENT FILING DATE:  2003-07-23
  PRIOR APPLICATION NUMBER: US 09/825,497
  PRIOR FILING DATE: 2001-04-03
  PRIOR APPLICATION NUMBER: US 09/371,252
  PRIOR FILING DATE: 1999-08-10
  PRIOR APPLICATION NUMBER: US 08/975,211
  PRIOR FILING DATE: 1997-11-20
  NUMBER OF SEQ ID NOS: 72
  SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 6
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
S-10-625-414-6

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        246 TGAGGAGATGACCAAGTAC 264
              ||||| || | ||||||||
Db         19 TGAGGTGAAGGCCAAGTAC 1


RESULT 547
S-10-641-455A-100/c
 Sequence 100, Application US/10641455A
 Publication No. US20040171566A1
 GENERAL INFORMATION:
  APPLICANT: Monia, Brett P.
  APPLICANT:  Gaarde, William A.
  APPLICANT:  Nero, Pamela S.
  APPLICANT:  McKay, Robert
  APPLICANT:  Popoff, Ian
  APPLICANT:  Wong, Wai Shiu Fred
  TITLE OF INVENTION: Antisense Oligonucleotide Modulation of p38 Mitogen
  TITLE OF INVENTION:  Activated Protein Kinase Expression
  FILE REFERENCE: ISPH-0762
  CURRENT APPLICATION NUMBER: US/10/641,455A
  CURRENT FILING DATE:  2003-08-15
  PRIOR APPLICATION NUMBER: US 10/238,442
  PRIOR FILING DATE: 2002-09-09
  PRIOR APPLICATION NUMBER: US 09/640,101
  PRIOR FILING DATE: 2000-08-15
  PRIOR APPLICATION NUMBER: US 09/286,904
  PRIOR FILING DATE: 1999-04-06
  NUMBER OF SEQ ID NOS: 266
  SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 100
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: antisense sequence
S-10-641-455A-100

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 6.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        784 TTCAAGCCGGTCATGTCCA 802
              |||| ||||| || |||||
Db         20 TTCACGCCGGCCACGTCCA 2


RESULT 548
US-09-765-081-247
; Sequence 247, Application US/09765081
; Patent No. US20020037508A1
; GENERAL INFORMATION:
;  APPLICANT: Cargill, Michele
;  APPLICANT:  Ireland, James S.
;  APPLICANT:  Lander, Eric S.
;  TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
;  FILE REFERENCE: 2825.2008-001
;  CURRENT APPLICATION NUMBER: US/09/765,081
;  CURRENT FILING DATE:  2001-01-18
;  PRIOR APPLICATION NUMBER: US 60/176,861
;  PRIOR FILING DATE: 2000-01-19
;  NUMBER OF SEQ ID NOS: 461
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 247
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-765-081-247

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   76.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    1;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1396 ACAGAGGATGAAAAAGAGAAA 1416
              ||||||||  :||  ||||||
Db          1 ACAGAGGACARAAGGGAGAAA 21


RESULT 549
US-09-765-081-449
; Sequence 449, Application US/09765081
; Patent No. US20020037508A1
; GENERAL INFORMATION:
;  APPLICANT: Cargill, Michele
;  APPLICANT:  Ireland, James S.
;  APPLICANT:  Lander, Eric S.
;  TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
;  FILE REFERENCE: 2825.2008-001
;  CURRENT APPLICATION NUMBER: US/09/765,081
;  CURRENT FILING DATE:  2001-01-18
;  PRIOR APPLICATION NUMBER: US 60/176,861
;  PRIOR FILING DATE: 2000-01-19
;  NUMBER OF SEQ ID NOS: 461
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 449
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-765-081-449

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   76.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    1;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1503 GTTGGCCTGAATGGACCTCTC 1523
              |||||| || :|||||| | |
Db          1 GTTGGCTTGTMTGGACCCCGC 21


RESULT 550
US-09-888-326-208/c
; Sequence 208, Application US/09888326
; Publication No. US20030026801A1
; GENERAL INFORMATION:
;  APPLICANT: Weiner, George
;  APPLICANT:  Hartmann, Gunther
```

```
;  TITLE OF INVENTION: Methods for Enhancing Antibody-Induced
;  TITLE OF INVENTION:  Cell Lysis and Treating Cancer
;  FILE REFERENCE: C1039/7052 (AWS)
;  CURRENT APPLICATION NUMBER: US/09/888,326
;  CURRENT FILING DATE:  2001-06-22
;  PRIOR APPLICATION NUMBER: US 60/213,346
;  PRIOR FILING DATE: 2000-06-22
;  NUMBER OF SEQ ID NOS: 848
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 208
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (0)...(0)
;   OTHER INFORMATION: phosphorothioate backbone
US-09-888-326-208

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1245 CGATGAGGACGAAGACGAC 1263
             ||| || ||||| ||||||
Db         20 CGACGACGACGACGACGAC 2


RESULT 551
US-09-927-463-2/c
; Sequence 2, Application US/09927463
; Publication No. US20030032621A1
; GENERAL INFORMATION:
;  APPLICANT: I.N.S.E.R.M.
;  TITLE OF INVENTION: Means for regulating hematopoietic differentiation
;  FILE REFERENCE: 1113
;  CURRENT APPLICATION NUMBER: US/09/927,463
;  CURRENT FILING DATE:  2001-12-17
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer_bind
US-09-927-463-2

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2002 TTCTGCAGGTGGAGGTTGC 2020
             |||| ||||||||||  ||
Db         19 TTCTACAGGTGGAGGCGGC 1


RESULT 552
US-09-968-362-13/c
; Sequence 13, Application US/09968362
; Publication No. US20030082679A1
; GENERAL INFORMATION:
;  APPLICANT: Sun, Lee-Hwei K
;  APPLICANT: Sun, Bill
;  APPLICANT: Sun, Cecily R
;  TITLE OF INVENTION: Fc fusion proteins of human granulocyte colony-stimulaing factor
;  TITLE OF INVENTION: biological activities
;  FILE REFERENCE: 03SUN2001
;  CURRENT APPLICATION NUMBER: US/09/968,362
;  CURRENT FILING DATE: 2001-10-30
;  NUMBER OF SEQ ID NOS: 22
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: PCR primer
US-09-968-362-13

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        376 GGCCTGTTTGAGTTCTGTC 394
              ||| ||| |||||| ||||
Db         19 GGCATGTGTGAGTTTTGTC 1


RESULT 553
US-09-932-812-13/c
; Sequence 13, Application US/09932812
; Publication No. US20030082749A1
; GENERAL INFORMATION:
;  APPLICANT: Sun, Lee-Hwei K
;  APPLICANT: Sun, Bill N
;  APPLICANT: Sun, Cecily R
;  TITLE OF INVENTION: Fc fusion proteins of human erythropoietin with increased biologi
;  FILE REFERENCE: 02SUN2001
;  CURRENT APPLICATION NUMBER: US/09/932,812
;  CURRENT FILING DATE: 2001-10-30
;  NUMBER OF SEQ ID NOS: 22
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: PCR primer
US-09-932-812-13

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        376 GGCCTGTTTGAGTTCTGTC 394
              ||| ||| |||||| ||||
Db         19 GGCATGTGTGAGTTTTGTC 1


RESULT 554
US-09-776-479-779/c
; Sequence 779, Application US/09776479
; Publication No. US20030087848A1
; GENERAL INFORMATION:
;  APPLICANT: Bratzler, Robert L.
;  APPLICANT:  Petersen, Deanna M.
;  APPLICANT:  Fouron, Yves
;  TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the
;  TITLE OF INVENTION:  Treatment of Asthma and Allergy
;  FILE REFERENCE: C1037/7013 (HCL/MAT)
;  CURRENT APPLICATION NUMBER: US/09/776,479
;  CURRENT FILING DATE:  2001-02-02
;  PRIOR APPLICATION NUMBER: US 60/179,991
;  PRIOR FILING DATE: 2000-02-03
;  NUMBER OF SEQ ID NOS: 1093
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 779
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Sequence
US-09-776-479-779
```

```
 Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
 Best Local Similarity   84.2%;  Pred. No. 6.9e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1245 CGATGAGGACGAAGACGAC 1263
              ||| || ||||| ||||||
Db         20 CGACGACGACGACGACGAC 2


RESULT 555
US-09-776-479-779/c
; Sequence 779, Application US/09776479
; Publication No. US20040067902A9
; GENERAL INFORMATION:
;  APPLICANT: Bratzler, Robert L.
;  APPLICANT:  Petersen, Deanna M.
;  APPLICANT:  Fouron, Yves
;  TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the
;  TITLE OF INVENTION:  Treatment of Asthma and Allergy
;  FILE REFERENCE: C1037/7013 (HCL/MAT)
;  CURRENT APPLICATION NUMBER: US/09/776,479
;  CURRENT FILING DATE:  2001-02-02
   PRIOR APPLICATION NUMBER: US 60/179,991
   PRIOR FILING DATE: 2000-02-03
   NUMBER OF SEQ ID NOS: 1093
   SOFTWARE: FastSEQ for Windows Version 3.0
  SEQ ID NO 779
    LENGTH: 21
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Synthetic Sequence
S-09-776-479-779

 Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
 Best Local Similarity   84.2%;  Pred. No. 6.9e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1245 CGATGAGGACGAAGACGAC 1263
              ||| || ||||| ||||||
Db         20 CGACGACGACGACGACGAC 2


RESULT 556
US-09-754-106-113/c
  Sequence 113, Application US/09754106
  Publication No. US20030224355A1
   GENERAL INFORMATION:
     APPLICANT:  Bell, Graeme I.
     APPLICANT:  Yamagata, Kazuya
     APPLICANT:  Oda, Naohisha
     APPLICANT:  Kaisaki, Pamela J.
     APPLICANT:  Furuta, Hiroto
     APPLICANT:  Horikawa, Yukio
     APPLICANT:  Menzel, Stephen
     TITLE OF INVENTION:  MUTATIONS IN THE DIABETES SUSCEPTIBILITY
     TITLE OF INVENTION:  GENES HEPATOCYTE NUCLEAR FACTOR (HNF) 1 ALPHA, HNF-1BETA
     TITLE OF INVENTION:  AND HNF-4ALPHA
     NUMBER OF SEQUENCES:  147
     CORRESPONDENCE ADDRESS:
       ADDRESSEE:  Arnold, White & Durkee
       STREET:  P.O. Box 4433
       CITY:  Houston
       STATE:  Texas
       COUNTRY:  USA
       ZIP:  77210
     COMPUTER READABLE FORM:
       MEDIUM TYPE:  Floppy disk
       COMPUTER:  IBM PC compatible
       OPERATING SYSTEM:  PC-DOS/MS-DOS
       SOFTWARE:  PatentIn Release #1.0, Version #1.30
     CURRENT APPLICATION DATA:
       APPLICATION NUMBER:  US/09/754,106
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/927,219
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/028,056
;      FILING DATE:  02-OCT-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/025,719
;      FILING DATE:  10-SEP-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Wilson, Mark B.
;      REGISTRATION NUMBER:  37,259
;      REFERENCE/DOCKET NUMBER:  ARCD:272
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  512/418-3000
;      TELEFAX:  512/474-7577
;  INFORMATION FOR SEQ ID NO:  113:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-754-106-113

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1659 CTCAGGGCAGCTGTGCTGG 1677
              ||| ||||||||||  |||
Db         21 CTCTGGGCAGCTGTCATGG 3


RESULT 557
US-10-314-578-779/c
; Sequence 779, Application US/10314578
; Publication No. US20030212026A1
; GENERAL INFORMATION:
;  APPLICANT: Krieg, Arthur M.
;  APPLICANT:  Schetter, Christian
;  APPLICANT:  Vollmer, Jorg
;  TITLE OF INVENTION: Immunostimulatory Nucleic Acids
;  FILE REFERENCE: C1039/7035 (HCL/MAT)
;  CURRENT APPLICATION NUMBER: US/10/314,578
;  CURRENT FILING DATE:  2002-12-09
;  PRIOR APPLICATION NUMBER: US 60/156,113
;  PRIOR FILING DATE: 1999-09-25
;  PRIOR APPLICATION NUMBER: US 60/156,135
;  PRIOR FILING DATE: 1999-09-27
;  PRIOR APPLICATION NUMBER: US 60/227,436
;  PRIOR FILING DATE: 2000-08-23
;  NUMBER OF SEQ ID NOS: 1145
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 779
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Sequence
US-10-314-578-779

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1245 CGATGAGGACGAAGACGAC 1263
              ||| || ||||| ||||||
Db         20 CGACGACGACGACGACGAC 2


RESULT 558
```

```
US-10-112-653-752/c
; Sequence 752, Application US/10112653
; Publication No. US20030050268A1
; GENERAL INFORMATION:
;  APPLICANT: Krieg, Arthur M.
;  APPLICANT:  Berg, Daniel J.
;  TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACID FOR
;  TITLE OF INVENTION:  TREATMENT OF NON-ALLERGIC INFLAMMATORY DISEASES
;  FILE REFERENCE: C01039/70060(AWS)
;  CURRENT APPLICATION NUMBER: US/10/112,653
;  CURRENT FILING DATE:  2002-03-29
;  PRIOR APPLICATION NUMBER: US 60/279,642
;  PRIOR FILING DATE: 2001-03-29
;  NUMBER OF SEQ ID NOS: 1040
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 752
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Oligonucleotide
US-10-112-653-752

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1245 CGATGAGGACGAAGACGAC 1263
             ||| || ||||| ||||||
Db         20 CGACGACGACGACGACGAC 2


RESULT 559
US-10-085-906-460/c
; Sequence 460, Application US/10085906
; Publication No. US20030054371A1
; GENERAL INFORMATION:
;  APPLICANT: Ying, Vincent
;  APPLICANT:  Wu, Paul
;  APPLICANT:  Gray, Gary S.
;  TITLE OF INVENTION: POLYMORPHIC ELEMENTS IN THE
;  TITLE OF INVENTION:  COSTIMULATORY RECEPTOR LOCUS AND USES THEREOF
;  FILE REFERENCE: GNN-5343CP2
;  CURRENT APPLICATION NUMBER: US/10/085,906
;  CURRENT FILING DATE:  2002-02-27
;  PRIOR APPLICATION NUMBER: US 60/126,215
;  PRIOR FILING DATE: 1999-03-25
;  PRIOR APPLICATION NUMBER: US 09/534,061
;  PRIOR FILING DATE: 2000-03-24
;  PRIOR APPLICATION NUMBER: PCT/US00/07938
;  PRIOR FILING DATE: 2000-03-24
;  NUMBER OF SEQ ID NOS: 545
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 460
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-085-906-460

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1607 TAAAAATTTATTAAATATA 1625
             |||||| |||| |||| ||
Db         21 TAAAAAGTTATGAAATTTA 3


RESULT 560
US-10-017-995-779/c
; Sequence 779, Application US/10017995
; Publication No. US20030055014A1
; GENERAL INFORMATION:
;  APPLICANT: Bratzler, Robert L.
;  TITLE OF INVENTION: Inhibition of Angiogenesis by Nucleic Acids
;  FILE REFERENCE: C1037/7025 (HCL/MAT)
;  CURRENT APPLICATION NUMBER: US/10/017,995
;  CURRENT FILING DATE:  2001-12-18
;  PRIOR APPLICATION NUMBER: US 60/255,534
;  PRIOR FILING DATE: 2000-12-14
;  NUMBER OF SEQ ID NOS: 1093
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 779
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Sequence
US-10-017-995-779

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1245 CGATGAGGACGAAGACGAC 1263
             ||| || ||||| ||||||
Db         20 CGACGACGACGACGACGAC 2


RESULT 561
US-10-005-956-788/c
; Sequence 788, Application US/10005956
; Publication No. US20030113726A1
; GENERAL INFORMATION:
;  APPLICANT: Bristol-Myers Squibb Company
;  TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
;  FILE REFERENCE: D0053NP
;  CURRENT APPLICATION NUMBER: US/10/005,956
;  CURRENT FILING DATE:  2001-12-03
;  PRIOR APPLICATION NUMBER: 60/251,015
;  PRIOR FILING DATE: 2000-12-04
;  PRIOR APPLICATION NUMBER: 60/263,678
;  PRIOR FILING DATE: 2001-01-23
;  PRIOR APPLICATION NUMBER: 60/273,037
;  PRIOR FILING DATE: 2001-03-02
;  NUMBER OF SEQ ID NOS: 1579
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 788
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-005-956-788

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        997 AGGACATATGAGACAGCTG 1015
              ||||| | ||| |||||||
Db         19 AGGACTTGTGACACAGCTG 1


RESULT 562
US-10-005-956-789/c
; Sequence 789, Application US/10005956
; Publication No. US20030113726A1
; GENERAL INFORMATION:
;  APPLICANT: Bristol-Myers Squibb Company
;  TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
;  FILE REFERENCE: D0053NP
;  CURRENT APPLICATION NUMBER: US/10/005,956
;  CURRENT FILING DATE:  2001-12-03
;  PRIOR APPLICATION NUMBER: 60/251,015
;  PRIOR FILING DATE: 2000-12-04
;  PRIOR APPLICATION NUMBER: 60/263,678
;  PRIOR FILING DATE: 2001-01-23
```

PRIOR APPLICATION NUMBER: 60/273,037
PRIOR FILING DATE: 2001-03-02
NUMBER OF SEQ ID NOS: 1579
SOFTWARE: PatentIn version 3.0
SEQ ID NO 789
LENGTH: 21
TYPE: DNA
ORGANISM: Homo sapiens
IS-10-005-956-789

Query Match 0.7%; Score 14.2; DB 1; Length 21;
Best Local Similarity 84.2%; Pred. No. 6.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

)y 997 AGGACATATGAGACAGCTG 1015
||||| | ||| |||||||
)b 19 AGGACTTGTGACACAGCTG 1

ESULT 563
IS-10-005-956-1038/c
Sequence 1038, Application US/10005956
Publication No. US20030113726A1
GENERAL INFORMATION:
APPLICANT: Bristol-Myers Squibb Company
TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
FILE REFERENCE: D0053NP
CURRENT APPLICATION NUMBER: US/10/005,956
CURRENT FILING DATE: 2001-12-03
PRIOR APPLICATION NUMBER: 60/251,015
PRIOR FILING DATE: 2000-12-04
PRIOR APPLICATION NUMBER: 60/263,678
PRIOR FILING DATE: 2001-01-23
PRIOR APPLICATION NUMBER: 60/273,037
PRIOR FILING DATE: 2001-03-02
NUMBER OF SEQ ID NOS: 1579
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1038
LENGTH: 21
TYPE: DNA
ORGANISM: homo sapiens
IS-10-005-956-1038

Query Match 0.7%; Score 14.2; DB 1; Length 21;
Best Local Similarity 84.2%; Pred. No. 6.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

)y 997 AGGACATATGAGACAGCTG 1015
||||| | ||| |||||||
)b 19 AGGACTTGTGACACAGCTG 1

ESULT 564
IS-10-184-085A-443/c
Sequence 443, Application US/10184085A
Publication No. US20030152950A1
GENERAL INFORMATION:
APPLICANT: Garner, Harold R.
APPLICANT: Minna, John D.
APPLICANT: Luebke, Kevin, J.
APPLICANT: Balog, Robert P.
TITLE OF INVENTION: Identification of Chemically Modified Polymers
FILE REFERENCE: 119929-1035
CURRENT APPLICATION NUMBER: US/10/184,085A
CURRENT FILING DATE: 2002-10-01
PRIOR APPLICATION NUMBER: US 60/301,370
PRIOR FILING DATE: 2001-06-27
NUMBER OF SEQ ID NOS: 1291
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 443
LENGTH: 21
TYPE: DNA
ORGANISM: Homo sapiens
US-10-184-085A-443

Query Match 0.7%; Score 14.2; DB 1; Length 21;
Best Local Similarity 84.2%; Pred. No. 6.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 952 ATGCTGGGAGGCGGTGGTT 970
||| || |||| |||||||
Db 19 ATGATGAGAGGTGGTGGTT 1

RESULT 565
US-10-096-578-13/c
; Sequence 13, Application US/10096578
; Publication No. US20030165874A1
; GENERAL INFORMATION:
; APPLICANT: Leppert, Mark F.
; APPLICANT: Singh, Nanda
; APPLICANT: Charlier, Carole
; TITLE OF INVENTION: KCNQ2 AND KCNQ3 - POTASSIUM CHANNEL GENES WHICH ARE
; TITLE OF INVENTION: MUTATED IN BENIGN FAMILIAL NEONATAL CONVULSIONS (BFNC)
; TITLE OF INVENTION: AND OTHER EPILEPSIES
; FILE REFERENCE: 2323-160
; CURRENT APPLICATION NUMBER: US/10/096,578
; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: US 09/177,650
; PRIOR FILING DATE: 1998-10-23
; PRIOR APPLICATION NUMBER: US 60/063,147
; PRIOR FILING DATE: 1997-10-24
; NUMBER OF SEQ ID NOS: 129
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-096-578-13

Query Match 0.7%; Score 14.2; DB 1; Length 21;
Best Local Similarity 84.2%; Pred. No. 6.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 501 GGCATCTGGCTTCTGTTAC 519
|| ||||||||||||||||
Db 21 GGAGACTGGCTTCTGTTAC 3

RESULT 566
US-10-025-145A-62/c
; Sequence 62, Application US/10025145A
; Publication No. US20030175861A1
; GENERAL INFORMATION:
; APPLICANT: Croteau, Rodney B.
; APPLICANT: Bohlmann, Joerg
; APPLICANT: Steele, Christopher L.
; APPLICANT: Phillips, Michael A.
; TITLE OF INVENTION: Monoterpene Synthases from Grand Fir (Abies Grandis)
; FILE REFERENCE: WSUR118414
; CURRENT APPLICATION NUMBER: US/10/025,145A
; CURRENT FILING DATE: 2002-06-28
; PRIOR APPLICATION NUMBER: US 09/360,545
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: PCT/US98/14528
; PRIOR FILING DATE: 1998-07-10
; PRIOR APPLICATION NUMBER: US 60/052,249
; PRIOR FILING DATE: 1997-07-11
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 62
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide Corresponding to Conserved Amino Acid Sequence Se

```
;   OTHER INFORMATION: t Forth in SEQ ID NO:51
US-10-025-145A-62

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1274 GCATCTCGATCTGCTCCTC 1292
              ||||||| | | |||||||
Db         19 GCATCTCCAGCAGCTCCTC 1


RESULT 567
US-10-136-728-90/c
; Sequence 90, Application US/10136728
; Publication No. US20030236188A1
; GENERAL INFORMATION:
;  APPLICANT: Spytek, Kimberly A.
;  APPLICANT:  Li, Li
;  APPLICANT:  Edinger, Shlomit R.
;  APPLICANT:  Stone, David J.
;  APPLICANT:  Guo, Xiaojia
;  APPLICANT:  Anderson, David W.
;  APPLICANT:  Patturajan, Meera
;  APPLICANT:  Gerlach, Valerie L.
;  APPLICANT:  Taupier, Raymond J.
;  APPLICANT:  Pena, Carol E.A.
;  APPLICANT:  Padigaru, Muralidhara
;  APPLICANT:  Kekuda, Ramesh
;  APPLICANT:  Gorman, Linda
;  APPLICANT:  Zerhusen, Bryan D.
;  APPLICANT:  Smithson, Glennda
;  APPLICANT:  MacDougall, John R.
;  APPLICANT:  Mezes, Peter S.
;  APPLICANT:  Perman, John A.
;  APPLICANT:  Zhong, Mei
;  TITLE OF INVENTION: No. US20030236188A1el Human Proteins, Polynucleotides Encoding Th
;  TITLE OF INVENTION:  The Same
;  FILE REFERENCE: 21402-347 D (Cura 647 Other)
;  CURRENT APPLICATION NUMBER: US/10/136,728
;  CURRENT FILING DATE:  2002-05-01
;  PRIOR APPLICATION NUMBER: 60/288,395
;  PRIOR FILING DATE: 2001-05-03
;  PRIOR APPLICATION NUMBER: 60/289,087
;  PRIOR FILING DATE: 2001-05-07
;  PRIOR APPLICATION NUMBER: 60/289,619
;  PRIOR FILING DATE: 2001-05-08
;  PRIOR APPLICATION NUMBER: 60/289,818
;  PRIOR FILING DATE: 2001-05-09
;  PRIOR APPLICATION NUMBER: 60/289,817
;  PRIOR FILING DATE: 2001-05-09
;  PRIOR APPLICATION NUMBER: 60/290,194
;  PRIOR FILING DATE: 2001-05-11
;  PRIOR APPLICATION NUMBER: 60/290,753
;  PRIOR FILING DATE: 2001-05-14
;  PRIOR APPLICATION NUMBER: 60/291,189
;  PRIOR FILING DATE: 2001-05-15
;  PRIOR APPLICATION NUMBER: 60/292,374
;  PRIOR FILING DATE: 2001-05-21
;  PRIOR APPLICATION NUMBER: 60/293,107
;  PRIOR FILING DATE: 2001-05-23
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 132
; SEQ ID NO 90
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Reverse Primer
US-10-136-728-90

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1433 AAGAAGTCACCGAAGAGGA 1451
              ||||||||  | |||||||
Db         20 AAGAAGTCCACCAAGAGGA 2


RESULT 568
US-10-277-216-97/c
; Sequence 97, Application US/10277216
; Publication No. US20040002470A1
; GENERAL INFORMATION:
;  APPLICANT: KEITH, TIM
;  TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES,
;  TITLE OF INVENTION:  OBESITY, AND INFLAMMATORY BOWEL DISEASE
;  FILE REFERENCE: 2976-4051
;  CURRENT APPLICATION NUMBER: US/10/277,216
;  CURRENT FILING DATE:  2002-10-17
;  PRIOR APPLICATION NUMBER: 10/126,022
;  PRIOR FILING DATE: 2002-04-19
;  PRIOR APPLICATION NUMBER: 09/834,597
;  PRIOR FILING DATE: 2001-04-13
;  PRIOR APPLICATION NUMBER: 09/548,797
;  PRIOR FILING DATE: 2000-04-13
;  NUMBER OF SEQ ID NOS: 420
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 97
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-277-216-97

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1235 AGGAGAGTGGCGATGAGGA 1253
              ||||||||||  | |||||
Db         21 AGGAGAGTGGACAAGAGGA 3


RESULT 569
US-10-349-143-5690/c
; Sequence 5690, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 5690
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..21
;   OTHER INFORMATION: upstream amplification primer 99-6141 for SEQ 1756,
US-10-349-143-5690
```

```
  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1436 AAGTCACCGAAGAGGAGAA 1454
              ||||||| |||||  ||||
Db         20 AAGTCACAGAAGACTAGAA 2


RESULT 570
JS-10-349-143-6821
; Sequence 6821, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 6821
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..21
;   OTHER INFORMATION: upstream amplification primer 99-19624 for SEQ 2887,
JS-10-349-143-6821

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1425 GGAGAAGAAAGAAGTCACC 1443
              |||| |||||| ||| |||
Db          1 GGAGGAGAAAGCAGTTACC 19


RESULT 571
US-10-126-022-97/c
; Sequence 97, Application US/10126022
; Publication No. US20040023215A1
; GENERAL INFORMATION:
;  APPLICANT: KEITH, TIM
;  TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES,
;  TITLE OF INVENTION:  OBESITY, AND INFLAMMATORY BOWEL DISEASE
;  FILE REFERENCE: 2976-4039US2
;  CURRENT APPLICATION NUMBER: US/10/126,022
;  CURRENT FILING DATE:  2002-04-19
;  PRIOR APPLICATION NUMBER: 09/834,597
;  PRIOR FILING DATE: 2001-04-13
;  PRIOR APPLICATION NUMBER: 09/548,797
;  PRIOR FILING DATE: 2000-04-13
;  NUMBER OF SEQ ID NOS: 420
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 97
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-126-022-97

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1235 AGGAGAGTGGCGATGAGGA 1253
              ||||||||||  | |||||
Db         21 AGGAGAGTGGACAAGAGGA 3


RESULT 572
US-10-444-795B-487
; Sequence 487, Application US/10444795B
; Publication No. US20040077574A1
; GENERAL INFORMATION:
;  APPLICANT: Klinghoffer, Richard
;  APPLICANT:  Lewis, Stephen Patrick
;  TITLE OF INVENTION: MODULATION OF BIOLOGICAL SIGNAL
;  TITLE OF INVENTION:  TRANSDUCTION BY RNA INTERFERENCE
;  FILE REFERENCE: 200125.449
;  CURRENT APPLICATION NUMBER: US/10/444,795B
;  CURRENT FILING DATE:  2003-05-23
;  NUMBER OF SEQ ID NOS: 842
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 487
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Small interfering RNA - cdc25C.3
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 20, 21
;   OTHER INFORMATION: n = A,T,C,G or U
US-10-444-795B-487

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   73.7%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    2;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1963 CCAAGAAACACTGCCTGCC 1981
              || ||||||| :| |:|||
Db          1 CCCAGAAACAGUGGCUGCC 19


RESULT 573
US-10-444-795B-488/c
; Sequence 488, Application US/10444795B
; Publication No. US20040077574A1
; GENERAL INFORMATION:
;  APPLICANT: Klinghoffer, Richard
;  APPLICANT:  Lewis, Stephen Patrick
;  TITLE OF INVENTION: MODULATION OF BIOLOGICAL SIGNAL
;  TITLE OF INVENTION:  TRANSDUCTION BY RNA INTERFERENCE
;  FILE REFERENCE: 200125.449
;  CURRENT APPLICATION NUMBER: US/10/444,795B
;  CURRENT FILING DATE:  2003-05-23
;  NUMBER OF SEQ ID NOS: 842
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 488
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Small interfering RNA - cdc25C.3
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1, 2
;   OTHER INFORMATION: n = A,T,C,G or U
US-10-444-795B-488

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
```

```
  Best Local Similarity   84.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1963 CCAAGAAACACTGCCTGCC 1981
              || ||||||| || |||||
Db         21 CCCAGAAACAGTGGCTGCC 3


RESULT 574
US-10-619-284A-40
; Sequence 40, Application US/10619284A
; Publication No. US20040077099A1
; GENERAL INFORMATION:
;  APPLICANT: Argonne National Laboratory
;  APPLICANT:  Yershov, Gennadiy
;  APPLICANT:  Alferov, Oleg
;  APPLICANT:  Kukhtin, Alexander
;  TITLE OF INVENTION: BIOCHIP READER WITH ENHANCED ILLUMINATION AND BIOARRAY
;  TITLE OF INVENTION:  POSITIONING
;  FILE REFERENCE: ANL-IN-01-052
;  CURRENT APPLICATION NUMBER: US/10/619,284A
;  CURRENT FILING DATE:  2003-07-14
;  PRIOR APPLICATION NUMBER: US 10/139842
;  PRIOR FILING DATE: 2002-05-06
;  NUMBER OF SEQ ID NOS: 74
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 40
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial
;   FEATURE:
;   OTHER INFORMATION: Completely Synthesized
US-10-619-284A-40

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   76.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    1;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1080 AGATTTCAAGCTCCACATCAG 1100
              | |||||||||:||| |  ||
Db          1 ATATTTCAAGCYCCATAGTAG 21


RESULT 575
US-10-383-864-61
; Sequence 61, Application US/10383864
; Publication No. US20040081976A1
; GENERAL INFORMATION:
;  APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
;  APPLICANT:  SIDRANSKY, David
;  TITLE OF INVENTION: GENOMIC SCREEN FOR EPIGENETICALLY SILENCED TUMOR SUPPRESSOR GENES
;  FILE REFERENCE: JHU1860-1
;  CURRENT APPLICATION NUMBER: US/10/383,864
;  CURRENT FILING DATE:  2003-07-25
;  PRIOR APPLICATION NUMBER: US 60/362,577
;  PRIOR FILING DATE: 2002-03-07
;  NUMBER OF SEQ ID NOS: 127
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 61
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: PCR primer
US-10-383-864-61

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1452 GAAAACCAAGGAGGAGAAG 1470
              | || ||||| ||||||||
Db          1 GGAAGCCAAGCAGGAGAAG 19


RESULT 576
US-10-381-906-22/c
; Sequence 22, Application US/10381906
; Publication No. US20040132030A1
; GENERAL INFORMATION:
;  APPLICANT: VLAAMS INTERUNIVERSITAIR INSTITUUT VOOR BIOTECHNOL
;  TITLE OF INVENTION: IDENTIFICATION OF NEUROBLASTOMA TUMOR SUPPRESSOR GENES
;  FILE REFERENCE: FVR/RUG/V072
;  CURRENT APPLICATION NUMBER: US/10/381,906
;  CURRENT FILING DATE:  2003-06-27
;  PRIOR APPLICATION NUMBER: EP 00870219.3
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 203
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 22
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-381-906-22

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1461 GGAGGAGAAGCCAGAAGCC 1479
              ||||||||| |  ||||||
Db         19 GGAGGAGAAACAGGAAGCC 1


RESULT 577
US-10-665-951-2375/c
; Sequence 2375, Application US/10665951
; Publication No. US20040138163A1
; GENERAL INFORMATION:
;  APPLICANT: Sirna Therapeutics, Inc.
;  APPLICANT:  McSwiggen, James
;  APPLICANT:  Beigelman, Leonid
;  APPLICANT:  Pavco, Pamela
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
;  TITLE OF INVENTION:  Growth Factor and Vascular Endothelial Growth Factor Receptor
;  TITLE OF INVENTION:  Gene Expression Using Short Interfering Nucleic Acid (siNA)
;  FILE REFERENCE: 400/131 (MBHB02-742-F)
;  CURRENT APPLICATION NUMBER: US/10/665,951
;  CURRENT FILING DATE:  2003-09-18
;  PRIOR APPLICATION NUMBER: US 10/664,668
;  PRIOR FILING DATE: 2003-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 03/05022
;  PRIOR FILING DATE: 2003-02-20
;  PRIOR APPLICATION NUMBER: US 60/399,348
;  PRIOR FILING DATE: 2002-07-29
;  PRIOR APPLICATION NUMBER: US 60/393,796
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: US 10/287,949
;  PRIOR FILING DATE: 2002-11-04
;  PRIOR APPLICATION NUMBER: US 10/306,747
;  PRIOR FILING DATE: 2002-11-27
;  PRIOR APPLICATION NUMBER: PCT/US 02/17674
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 60/363,124
;  PRIOR FILING DATE: 2002-03-11
;  PRIOR APPLICATION NUMBER: US 60/386,782
;  PRIOR FILING DATE: 2002-06-06
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 2455
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2375
;   LENGTH: 21
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
```

```
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence:  siNA sense region
;  FEATURE:
;  NAME/KEY: misc_feature
;  LOCATION: (20)..(21)
;  OTHER INFORMATION: n stands for thymidine
JS-10-665-951-2375

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        528 TATCGTCTTGGCCATCCTG 546
              | | ||||| |||||||||
Db         19 TGTAGTCTTTGCCATCCTG 1


RESULT 578
JS-10-665-951-2376/c
; Sequence 2376, Application US/10665951
; Publication No. US20040138163A1
; GENERAL INFORMATION:
;  APPLICANT: Sirna Therapeutics, Inc.
;  APPLICANT:  McSwiggen, James
;  APPLICANT:  Beigelman, Leonid
;  APPLICANT:  Pavco, Pamela
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
;  TITLE OF INVENTION:  Growth Factor and Vascular Endothelial Growth Factor Receptor
;  TITLE OF INVENTION:  Gene Expression Using Short Interfering Nucleic Acid (siNA)
;  FILE REFERENCE: 400/131 (MBHB02-742-F)
;  CURRENT APPLICATION NUMBER: US/10/665,951
;  CURRENT FILING DATE:  2003-09-18
;  PRIOR APPLICATION NUMBER: US 10/664,668
;  PRIOR FILING DATE: 2003-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 03/05022
;  PRIOR FILING DATE: 2003-02-20
;  PRIOR APPLICATION NUMBER: US 60/399,348
;  PRIOR FILING DATE: 2002-07-29
;  PRIOR APPLICATION NUMBER: US 60/393,796
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: US 10/287,949
;  PRIOR FILING DATE: 2002-11-04
;  PRIOR APPLICATION NUMBER: US 10/306,747
;  PRIOR FILING DATE: 2002-11-27
;  PRIOR APPLICATION NUMBER: PCT/US 02/17674
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 60/363,124
;  PRIOR FILING DATE: 2002-03-11
;  PRIOR APPLICATION NUMBER: US 60/386,782
;  PRIOR FILING DATE: 2002-06-06
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 2455
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2376
;   LENGTH: 21
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA sense region
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (20)..(21)
;   OTHER INFORMATION: n stands for thymidine
JS-10-665-951-2376

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        527 ATATCGTCTTGGCCATCCT 545
              || | ||||| ||||||||
Db         19 ATGTAGTCTTTGCCATCCT 1


RESULT 579
US-10-665-951-2387
; Sequence 2387, Application US/10665951
; Publication No. US20040138163A1
; GENERAL INFORMATION:
;  APPLICANT: Sirna Therapeutics, Inc.
;  APPLICANT:  McSwiggen, James
;  APPLICANT:  Beigelman, Leonid
;  APPLICANT:  Pavco, Pamela
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
;  TITLE OF INVENTION:  Growth Factor and Vascular Endothelial Growth Factor Receptor
;  TITLE OF INVENTION:  Gene Expression Using Short Interfering Nucleic Acid (siNA)
;  FILE REFERENCE: 400/131 (MBHB02-742-F)
;  CURRENT APPLICATION NUMBER: US/10/665,951
;  CURRENT FILING DATE:  2003-09-18
;  PRIOR APPLICATION NUMBER: US 10/664,668
;  PRIOR FILING DATE: 2003-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 03/05022
;  PRIOR FILING DATE: 2003-02-20
;  PRIOR APPLICATION NUMBER: US 60/399,348
;  PRIOR FILING DATE: 2002-07-29
;  PRIOR APPLICATION NUMBER: US 60/393,796
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: US 10/287,949
;  PRIOR FILING DATE: 2002-11-04
;  PRIOR APPLICATION NUMBER: US 10/306,747
;  PRIOR FILING DATE: 2002-11-27
;  PRIOR APPLICATION NUMBER: PCT/US 02/17674
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 60/363,124
;  PRIOR FILING DATE: 2002-03-11
;  PRIOR APPLICATION NUMBER: US 60/386,782
;  PRIOR FILING DATE: 2002-06-06
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 2455
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2387
;   LENGTH: 21
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (20)..(21)
;   OTHER INFORMATION: n stands for thymidine
US-10-665-951-2387

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   47.4%;  Pred. No. 6.9e+02;
  Matches    9;  Conservative    7;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        528 TATCGTCTTGGCCATCCTG 546
              : : |:|:: ||||:||:|
Db          1 UGUAGUCUUUGCCAUCCUG 19


RESULT 580
US-10-665-951-2388
; Sequence 2388, Application US/10665951
; Publication No. US20040138163A1
; GENERAL INFORMATION:
;  APPLICANT: Sirna Therapeutics, Inc.
;  APPLICANT:  McSwiggen, James
;  APPLICANT:  Beigelman, Leonid
;  APPLICANT:  Pavco, Pamela
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
;  TITLE OF INVENTION:  Growth Factor and Vascular Endothelial Growth Factor Receptor
```

```
;  TITLE OF INVENTION:  Gene Expression Using Short Interfering Nucleic Acid (siNA)
;  FILE REFERENCE: 400/131 (MBHB02-742-F)
;  CURRENT APPLICATION NUMBER: US/10/665,951
;  CURRENT FILING DATE:  2003-09-18
;  PRIOR APPLICATION NUMBER: US 10/664,668
;  PRIOR FILING DATE: 2003-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 03/05022
;  PRIOR FILING DATE: 2003-02-20
;  PRIOR APPLICATION NUMBER: US 60/399,348
;  PRIOR FILING DATE: 2002-07-29
;  PRIOR APPLICATION NUMBER: US 60/393,796
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: US 10/287,949
;  PRIOR FILING DATE: 2002-11-04
;  PRIOR APPLICATION NUMBER: US 10/306,747
;  PRIOR FILING DATE: 2002-11-27
;  PRIOR APPLICATION NUMBER: PCT/US 02/17674
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 60/363,124
;  PRIOR FILING DATE: 2002-03-11
;  PRIOR APPLICATION NUMBER: US 60/386,782
;  PRIOR FILING DATE: 2002-06-06
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 2455
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2388
;   LENGTH: 21
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (20)..(21)
;   OTHER INFORMATION: n stands for thymidine
US-10-665-951-2388

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   47.4%;  Pred. No. 6.9e+02;
  Matches    9;  Conservative    7;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        527 ATATCGTCTTGGCCATCCT 545
              |: : |:|:: ||||:||:
Db          1 AUGUAGUCUUUGCCAUCCU 19


RESULT 581
US-10-056-414-258
; Sequence 258, Application US/10056414
; Publication No. US20030003469A1
;   GENERAL INFORMATION:
;        APPLICANT: Stinchcomb, Dan T.
;                   Draper, Kenneth G.
;                   McSwiggen, James
;        TITLE OF INVENTION: RIBOZYME TREATMENT OF
;                            DISEASES OR CONDITIONS
;                            RELATED TO LEVELS OF
;                            NF-KB
;        NUMBER OF SEQUENCES: 830
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Lyon & Lyon
;             STREET: 633 West Fifth Street
;                     Suite 4700
;             CITY: Los Angeles
;             STATE: California
;             COUNTRY: U.S.A.
;             ZIP: 90071-2066
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;                          storage
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: IBM P.C. DOS 5.0
;             SOFTWARE: Word Perfect 5.1
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/056,414
;             FILING DATE: 23-Jan-2002
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/08/291,932A
;             FILING DATE: August 15, 1994
;             APPLICATION NUMBER: 08/245,466
;             FILING DATE: May 18, 1994
;             APPLICATION NUMBER: 07/987,132
;             FILING DATE: December 7, 1992
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Warburg, Richard J.
;             REGISTRATION NUMBER: 32,327
;             REFERENCE/DOCKET NUMBER: 208/157
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (213) 489-1600
;             TELEFAX: (213) 955-0440
;             TELEX: 67-3510
;   INFORMATION FOR SEQ ID NO: 258:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 15 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 258:
US-10-056-414-258

  Query Match             0.7%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   85.7%;  Pred. No. 4.5e+02;
  Matches   12;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        997 AGGACATATGAGAC 1010
              ||||||:|:|||||
Db          1 AGGACAUAUGAGAC 14


RESULT 582
US-09-864-785-243
; Sequence 243, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Draper, Ken
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
;  TITLE OF INVENTION:  Levels of NF-Kappa B
;  FILE REFERENCE: 400/022 (MBHB00-812-D)
;  CURRENT APPLICATION NUMBER: US/09/864,785
;  CURRENT FILING DATE:  2001-05-23
;  NUMBER OF SEQ ID NOS: 3929
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 243
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Nucleic Acid
US-09-864-785-243

  Query Match             0.7%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   85.7%;  Pred. No. 5.5e+02;
  Matches   12;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        997 AGGACATATGAGAC 1010
              ||||||:|:|||||
Db          4 AGGACAUAUGAGAC 17


RESULT 583
```

```
US-09-864-785-2072
; Sequence 2072, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Draper, Ken
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Levels of NF-Kappa B
;  FILE REFERENCE: 400/022 (MBHB00-812-D)
;  CURRENT APPLICATION NUMBER: US/09/864,785
;  CURRENT FILING DATE:  2001-05-23
;  NUMBER OF SEQ ID NOS: 3929
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2072
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Nucleic Acid
US-09-864-785-2072

  Query Match             0.7%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   85.7%;  Pred. No. 5.5e+02;
  Matches   12;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        997 AGGACATATGAGAC 1010
              ||||||:|:|||||
Db          2 AGGACAUAUGAGAC 15


RESULT 584
US-08-591-486B-67/c
; Sequence 67, Application US/08591486B
; Publication No. US20020037866A1
;  GENERAL INFORMATION:
;    APPLICANT:  Schlingensiepen, Georg F
;    APPLICANT:  Schlingensiepen, Reimar
;    APPLICANT:  Schlingensiepen, Karl-Hermann
;    APPLICANT:  Gotingen, Wolfgang Brysch
;    TITLE OF INVENTION:  A Pharmaceutical Composition
;    TITLE OF INVENTION:  Comprising Antisense-Nucleic Acid for Prevention and/or Treatm
;    TITLE OF INVENTION:  of Neuronal Injury, Degeneration and Cell Death and for the
;    TITLE OF INVENTION:  Treatment of Neoplasms
;    NUMBER OF SEQUENCES:  185
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jacobson, Price, Holman & Stern
;      STREET:  400 Seventh Street, N.W.
;      CITY:  Washington, D.C
;      COUNTRY:  U.S.A.
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/591,486B
;      FILING DATE:  11-JAN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  EP 93111059.7
;      FILING DATE:  10-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/EP94/02218
;      FILING DATE:  6-JUL-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Player, William E.
;      REGISTRATION NUMBER:  31,409
;      REFERENCE/DOCKET NUMBER:  10496/P60122
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 638-6666
;      TELEFAX:  (202) 393-9350
;      TELEX:  RCA 248593 IDEA UR
;  INFORMATION FOR SEQ ID NO:  67:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  DNA (genomic)
;    ANTI-SENSE:  YES
US-08-591-486B-67

  Query Match             0.7%;  Score 14;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 6e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1785 ACAAACTCCTGAAA 1798
              ||||||||||||||
Db         15 ACAAACTCCTGAAA 2


RESULT 585
US-10-367-438-201
; Sequence 201, Application US/10367438
; Publication No. US20030180773A1
;   GENERAL INFORMATION:
;        APPLICANT: COHEN, Daniel
;                   BLUMENFELD, Marta
;                   TCHOUMAKOV, Ilia
;        TITLE OF INVENTION: Biallelic markers for use in
;                            constructing a high density disequilibrium map of
;                            the human genome.
;        NUMBER OF SEQUENCES: 336
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Knobbe, Martens, Olson & Bear
;             STREET: 550 West C Street
;             CITY: San Diego
;             STATE: California
;             COUNTRY: USA
;             ZIP: 92101
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy Disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: Win95
;             SOFTWARE: Word
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/367,438
;             FILING DATE: 14-Feb-2003
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/09/463,075A
;             FILING DATE: 14-Jan-2000
;   INFORMATION FOR SEQ ID NO: 201:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 19 base pairs
;             TYPE: NUCLEIC ACID
;             STRANDEDNESS: SINGLE
;             TOPOLOGY: LINEAR
;        MOLECULE TYPE: DNA
;        ORIGINAL SOURCE:
;             ORGANISM: Homo sapiens
;        FEATURE:
;             NAME/KEY:   microsequencing oligo 99-2103-270.mis1
;             LOCATION:  1..19
;        SEQUENCE DESCRIPTION: SEQ ID NO: 201:
US-10-367-438-201

  Query Match             0.7%;  Score 14;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 6.5e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1001 CATATGAGACAGCT 1014
              ||||||||||||||
Db          5 CATATGAGACAGCT 18
```

```
RESULT 586
US-10-025-806-134/c
; Sequence 134, Application US/10025806
; Publication No. US20030198955A1
; GENERAL INFORMATION:
;  APPLICANT: Li, Li
;  APPLICANT:  Padigaru, Muralidhara
;  APPLICANT:  Ballinger, Robert
;  APPLICANT:  Kekuda, Ramesh
;  APPLICANT:  Colman, Steven
;  APPLICANT:  Spytek, Kimberly
;  APPLICANT:  Casman, Stacie
;  APPLICANT:  Edinger, Shlomit
;  APPLICANT:  Gerlach, Valerie
;  APPLICANT:  Sciore, Paul
;  APPLICANT:  Smithson, Glennda
;  APPLICANT:  Peyman, John
;  APPLICANT:  MacDougall, John
;  APPLICANT:  Stone, David
;  APPLICANT:  Vernet, Corine
;  APPLICANT:  Shenoy, Suresh
;  APPLICANT:  Gunther, Erik
;  APPLICANT:  Millet, Isabelle
;  APPLICANT:  Tchernev, Velizar
;  APPLICANT:  Anderson, David
;  APPLICANT:  Gusev, Vladimir
;  APPLICANT:  Malyankar, Uriel
;  APPLICANT:  Zhong, Haihong
;  APPLICANT:  Ellerman, Karen
;  APPLICANT:  Wolenc, Adam
;  TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
;  FILE REFERENCE: 21402-224 AB
;  CURRENT APPLICATION NUMBER: US/10/025,806
;  CURRENT FILING DATE:  2001-12-19
;  PRIOR APPLICATION NUMBER: 60/256,635
;  PRIOR FILING DATE: 2000-12-18
;  PRIOR APPLICATION NUMBER: 60/259,743
;  PRIOR FILING DATE: 2001-01-04
;  PRIOR APPLICATION NUMBER: 60/299,327
;  PRIOR FILING DATE: 2001-06-19
;  PRIOR APPLICATION NUMBER: 60/261,498
;  PRIOR FILING DATE: 2001-01-12
;  PRIOR APPLICATION NUMBER: 60/263,689
;  PRIOR FILING DATE: 2001-01-24
;  PRIOR APPLICATION NUMBER: 60/276,464
;  PRIOR FILING DATE: 2001-02-08
;  PRIOR APPLICATION NUMBER: 60/271,021
;  PRIOR FILING DATE: 2001-02-22
;  PRIOR APPLICATION NUMBER: 60/275,946
;  PRIOR FILING DATE: 2001-03-14
;  PRIOR APPLICATION NUMBER: 60/278,150
;  PRIOR FILING DATE: 2001-03-23
;  PRIOR APPLICATION NUMBER: 60/285,718
;  PRIOR FILING DATE: 2001-04-23
;  PRIOR APPLICATION NUMBER: 60/312,902
;  PRIOR FILING DATE: 2001-08-16
;  PRIOR APPLICATION NUMBER: 60/257,876
;  PRIOR FILING DATE: 2000-12-21
;  PRIOR APPLICATION NUMBER: 60/260,718
;  PRIOR FILING DATE: 2001-01-10
;  PRIOR APPLICATION NUMBER: 60/284,591
;  PRIOR FILING DATE: 2001-04-18
;  NUMBER OF SEQ ID NOS: 352
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 134
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: TaqMan PCR
;   OTHER INFORMATION: primer
US-10-025-806-134

  Query Match             0.7%;  Score 14;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 6.5e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1974 TGCCTGCCCTCTGT 1987
              ||||||||||||||
Db         16 TGCCTGCCCTCTGT 3


RESULT 587
US-10-380-124-44/c
; Sequence 44, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
;  APPLICANT: Isis Pharmaceuticals, Inc.
;  APPLICANT:  Brett P. Monia
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
;  FILE REFERENCE: RTS-0156
;  CURRENT APPLICATION NUMBER: US/10/380,124
;  CURRENT FILING DATE:  2003-03-10
;  NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 44
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-44

  Query Match             0.7%;  Score 14;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1680 GAGCTCTTCCAGGA 1693
              ||||||||||||||
Db         16 GAGCTCTTCCAGGA 3


RESULT 588
US-10-181-874-27
; Sequence 27, Application US/10181874
; Publication No. US20030212020A1
; GENERAL INFORMATION:
;  APPLICANT: Isis Pharmaceuticals, Inc.
;  APPLICANT:  Susan Murray
;  APPLICANT:  Lex M. Cowsert
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MACROPHAGE MIGRATION INHIBITORY FACTOR  F
;  FILE REFERENCE: RTSP-0351
;  CURRENT APPLICATION NUMBER: US/10/181,874
;  CURRENT FILING DATE:  2002-07-22
;  PRIOR APPLICATION NUMBER: 09/489,869
;  PRIOR FILING DATE: 2000-01-20
;  NUMBER OF SEQ ID NOS: 88
; SEQ ID NO 27
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-181-874-27

  Query Match             0.7%;  Score 14;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 7e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1672 TGCTGGGTGAGCTC 1685
              ||||||||||||||
Db          6 TGCTGGGTGAGCTC 19
```

```
ESULT 589
S-10-126-355-34/c
 Sequence 34, Application US/10126355
 Publication No. US20030198965A1
 GENERAL INFORMATION:
  APPLICANT: Susan M. Freier
  TITLE OF INVENTION: ANTISENSE MODULATION OF HYDROXYSTEROID
  TITLE OF INVENTION:  11-BETA DEHYDROGENASE 1 EXPRESSION
  FILE REFERENCE: RTS-0428
  CURRENT APPLICATION NUMBER: US/10/126,355
  CURRENT FILING DATE:  2002-04-19
  NUMBER OF SEQ ID NOS: 122
  SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 34
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
S-10-126-355-34

 Query Match             0.7%;  Score 14;  DB 1;  Length 20;
 Best Local Similarity   100.0%;  Pred. No. 7e+02;
 Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

y        588 TGATATTCACCATG 601
             ||||||||||||||
b         17 TGATATTCACCATG 4


ESULT 590
S-10-289-762-1984
 Sequence 1984, Application US/10289762
 Publication No. US20040006218A1
 GENERAL INFORMATION:
  APPLICANT: Griffais, R.
  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
  TITLE OF INVENTION:  and treatment of infection
  FILE REFERENCE: 9710-003-999
  CURRENT APPLICATION NUMBER: US/10/289,762
  CURRENT FILING DATE:  2003-03-27
  NUMBER OF SEQ ID NOS: 6849
 SEQ ID NO 1984
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Chlamydia pneumoniae
S-10-289-762-1984

 Query Match             0.7%;  Score 14;  DB 1;  Length 20;
 Best Local Similarity   100.0%;  Pred. No. 7e+02;
 Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

y       1683 CTCTTCCAGGAGCC 1696
             ||||||||||||||
b          1 CTCTTCCAGGAGCC 14


ESULT 591
S-10-671-395-1002/c
 Sequence 1002, Application US/10671395
 Publication No. US20040132063A1
 GENERAL INFORMATION:
  APPLICANT: Pharmacia Corp.
  APPLICANT:  Gierse, James K
  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
  TITLE OF INVENTION:  EXPRESSION
  FILE REFERENCE: 1179/1/US
  CURRENT APPLICATION NUMBER: US/10/671,395
  CURRENT FILING DATE:  2003-09-25
  PRIOR APPLICATION NUMBER: 60/413,549
  PRIOR FILING DATE: 2002-09-25
  NUMBER OF SEQ ID NOS: 1809
  SOFTWARE: PatentIn version 3.2
 SEQ ID NO 1002
   LENGTH: 20
   TYPE: DNA
   ORGANISM: artificial
   FEATURE:
   OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-1002

 Query Match             0.7%;  Score 14;  DB 1;  Length 20;
 Best Local Similarity   100.0%;  Pred. No. 7e+02;
 Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1948 CTGGCCTCAAGTGA 1961
              ||||||||||||||
Db         14 CTGGCCTCAAGTGA 1


RESULT 592
US-10-671-395-1022/c
 Sequence 1022, Application US/10671395
 Publication No. US20040132063A1
 GENERAL INFORMATION:
  APPLICANT: Pharmacia Corp.
  APPLICANT:  Gierse, James K
  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
  TITLE OF INVENTION:  EXPRESSION
  FILE REFERENCE: 1179/1/US
  CURRENT APPLICATION NUMBER: US/10/671,395
  CURRENT FILING DATE:  2003-09-25
  PRIOR APPLICATION NUMBER: 60/413,549
  PRIOR FILING DATE: 2002-09-25
  NUMBER OF SEQ ID NOS: 1809
  SOFTWARE: PatentIn version 3.2
 SEQ ID NO 1022
   LENGTH: 20
   TYPE: DNA
   ORGANISM: artificial
   FEATURE:
   OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-1022

 Query Match             0.7%;  Score 14;  DB 1;  Length 20;
 Best Local Similarity   100.0%;  Pred. No. 7e+02;
 Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1948 CTGGCCTCAAGTGA 1961
              ||||||||||||||
Db         15 CTGGCCTCAAGTGA 2


RESULT 593
US-10-002-623-909/c
 Sequence 909, Application US/10002623
 Publication No. US20030134285A1
 GENERAL INFORMATION:
  APPLICANT: OEFNER, PETER J.
  APPLICANT:  UNDERHILL, PETER A.
  TITLE OF INVENTION: A METHOD FOR DETERMINING GENETIC
  TITLE OF INVENTION:  AFFILIATION, SUBSTRUCTURE AND GENE FLOW WITHIN HUMAN
  TITLE OF INVENTION:  POPULATIONS
  FILE REFERENCE: STAN-212
  CURRENT APPLICATION NUMBER: US/10/002,623
  CURRENT FILING DATE:  2001-11-01
  PRIOR APPLICATION NUMBER: US 60/245,355
  PRIOR FILING DATE: 2000-11-01
  NUMBER OF SEQ ID NOS: 952
  SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 909
   LENGTH: 21
   TYPE: DNA
   ORGANISM: Homo Sapiens
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US-10-002-623-909

Query Match 0.7%; Score 14; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 7.5e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy       1791 TCCTGAAATGCCAA 1804
              ||||||||||||||
Db         17 TCCTGAAATGCCAA 4
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RESULT 594
US-10-391-808-5/c
; Sequence 5, Application US/10391808
; Publication No. US20030186300A1
; GENERAL INFORMATION:
; APPLICANT: AKOUM, Ali
; TITLE OF INVENTION: METHODS AND PRODUCTS FOR MODULATION OF REPRODUCTIVE PROCESSES AND
; TITLE OF INVENTION: DIAGNOSIS, PROGNOSTICATION AND TREATMENT OF RELATED CONDITIONS
; FILE REFERENCE: 85409-18
; CURRENT APPLICATION NUMBER: US/10/391,808
; CURRENT FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: CA 2377786
; PRIOR FILING DATE: 2002-03-20
; PRIOR APPLICATION NUMBER: US 60/367,764
; PRIOR FILING DATE: 2002-03-28
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: primer
US-10-391-808-5

Query Match 0.7%; Score 14; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 7.5e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy       1672 TGCTGGGTGAGCTC 1685
              ||||||||||||||
Db         20 TGCTGGGTGAGCTC 7
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RESULT 595
US-10-451-126A-75
; Sequence 75, Application US/10451126A
; Publication No. US20040110706A1
; GENERAL INFORMATION:
; APPLICANT: Wallace, Robyn H
; APPLICANT: Mulley, John C
; APPLICANT: Berkovic, Samuel F
; TITLE OF INVENTION: SODIUM CHANNEL ALPHA1-SUBUNIT AND THEIR POLYPEPTIDES AND THEIR
; TITLE OF INVENTION: TREATMENT OF GENERALISED EPILEPSY WITH FEBRILE SEIZURES PLUS
; FILE REFERENCE: 1386/13
; CURRENT APPLICATION NUMBER: US/10/451,126A
; CURRENT FILING DATE: 2003-10-08
; PRIOR APPLICATION NUMBER: PCT/ AU01/01648
; PRIOR FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 89
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 75
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-451-126A-75

Query Match 0.7%; Score 14; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 7.5e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy       1053 CAATGACTACTTTG 1066
              ||||||||||||||
Db          7 CAATGACTACTTTG 20
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RESULT 596
US-09-866-108-6562
; Sequence 6562, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 6562
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-6562

Query Match 0.7%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 5.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy       1011 AGCTGTGGCCCTGGATA 1027
              | || ||||||||||||
Db          1 ACCTCTGGCCCTGGATA 17
```

RESULT 597
US-09-866-108-7084
; Sequence 7084, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong

```
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 7084
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-7084

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1455 AACCAAGGAGGAGAAGC 1471
              | ||||||||||| |||
Db          1 AGCCAAGGAGGAGGAGC 17


RESULT 598
US-09-866-108-8667
; Sequence 8667, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 8667
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-8667

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1454 AAACCAAGGAGGAGAAG 1470
              || ||||| ||||||||
Db          1 AAGCCAAGAAGGAGAAG 17


RESULT 599
US-09-866-108-8668
; Sequence 8668, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
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;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 8668
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-8668

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1455 AACCAAGGAGGAGAAGC 1471
              | ||||| |||||||||
Db          1 AGCCAAGAAGGAGAAGC 17


RESULT 600
US-09-866-108-8944/c
; Sequence 8944, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 8944
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-8944

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1682 GCTCTTCCAGGAGCCAC 1698
              |||||||||| ||| |
Db         17 GCTCTTCCAGGCGCCGC 1


RESULT 601
US-09-866-108-8947/c
; Sequence 8947, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
```

```
  NUMBER OF SEQ ID NOS: 15752
  SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 8947
  LENGTH: 17
  TYPE: DNA
  ORGANISM: Homo sapiens
US-09-866-108-8947

  Query Match              0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1679 TGAGCTCTTCCAGGAGC 1695
              | ||||||||||||  ||
Db         17 TCAGCTCTTCCAGGCGC 1

RESULT 602
US-09-961-077-678
; Sequence 678, Application US/09961077
; Publication No. US20030014775A1
;   GENERAL INFORMATION:
;        APPLICANT: Zwick, Michael G.
;                   Edington, Brent E.
;                   McSwiggen, James A.
;                   Merlo, Patricia Ann Owens
;                   Guo, Lining
;                   Skokut, Thomas A.
;                   Young, Scott A.
;                   Folkerts, Otto
;                   Merlo, Donald J.
;        TITLE OF INVENTION: COMPOSITION AND METHODS FOR
;                            MODULATION OF GENE EXPRESSION
;                            IN PLANTS
;        NUMBER OF SEQUENCES: 1263
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Lyon & Lyon
;             STREET: 633 West Fifth Street
;                     Suite 4700
;             CITY: Los Angeles
;             STATE: California
;             COUNTRY: U.S.A.
;             ZIP: 90071-2066
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;                          storage
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: IBM P.C. DOS 5.0
;             SOFTWARE: Word Perfect 5.1
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/961,077
;             FILING DATE: 21-Sep-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/679,645
;             FILING DATE: July 12, 1996
;             APPLICATION NUMBER: 60/001,135
;             FILING DATE: July 13, 1995
;             APPLICATION NUMBER: 08/300,726
;             FILING DATE: September 2, 1994
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Warburg, Richard J.
;             REGISTRATION NUMBER: 32,327
;             REFERENCE/DOCKET NUMBER: 219/247
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (213) 489-1600
;             TELEFAX: (213) 955-0440
;             TELEX: 67-3510
;   INFORMATION FOR SEQ ID NO: 678:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 17 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 678:
US-09-961-077-678

  Query Match              0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   64.7%;  Pred. No. 5.9e+02;
  Matches   11;  Conservative    4;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1941 CTTCCCACTGGCCTCAA 1957
              |::|||| :||||:| |
Db          1 CUUCCCAUUGGCCUCCA 17

RESULT 603
US-09-961-077-886
; Sequence 886, Application US/09961077
; Publication No. US20030014775A1
;   GENERAL INFORMATION:
;        APPLICANT: Zwick, Michael G.
;                   Edington, Brent E.
;                   McSwiggen, James A.
;                   Merlo, Patricia Ann Owens
;                   Guo, Lining
;                   Skokut, Thomas A.
;                   Young, Scott A.
;                   Folkerts, Otto
;                   Merlo, Donald J.
;        TITLE OF INVENTION: COMPOSITION AND METHODS FOR
;                            MODULATION OF GENE EXPRESSION
;                            IN PLANTS
;        NUMBER OF SEQUENCES: 1263
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Lyon & Lyon
;             STREET: 633 West Fifth Street
;                     Suite 4700
;             CITY: Los Angeles
;             STATE: California
;             COUNTRY: U.S.A.
;             ZIP: 90071-2066
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;                          storage
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: IBM P.C. DOS 5.0
;             SOFTWARE: Word Perfect 5.1
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/961,077
;             FILING DATE: 21-Sep-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/679,645
;             FILING DATE: July 12, 1996
;             APPLICATION NUMBER: 60/001,135
;             FILING DATE: July 13, 1995
;             APPLICATION NUMBER: 08/300,726
;             FILING DATE: September 2, 1994
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Warburg, Richard J.
;             REGISTRATION NUMBER: 32,327
;             REFERENCE/DOCKET NUMBER: 219/247
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (213) 489-1600
;             TELEFAX: (213) 955-0440
;             TELEX: 67-3510
;   INFORMATION FOR SEQ ID NO: 886:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 17 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 886:
US-09-961-077-886
```

Query Match 0.7%; Score 13.8; DB 1; Length 17;
Best Local Similarity 23.5%; Pred. No. 5.9e+02;
Matches 4; Conservative 11; Mismatches 2; Indels 0; Gaps 0;

```
Qy       1580 TATTTTCTATTTCTCTG 1596
              :|:::: :|::: :|:|
Db          1 UAUUUUGUAUUUUUCUG 17
```

RESULT 604
US-09-877-478-438/c
; Sequence 438, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBHB00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 438
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-438

Query Match 0.7%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 5.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy       1466 AGAAGCCAGAAGCCAAA 1482
              ||||| |||||| ||||
Db         17 AGAAGTCAGAAGGCAAA 1
```

RESULT 605
US-09-848-754A-3128
; Sequence 3128, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
; FILE REFERENCE: MBHB00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3128
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-3128

Query Match 0.7%; Score 13.8; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 5.9e+02;
Matches 11; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

```
Qy        113 GGGATGTTGGAAATTAC 129
              ||||  ::|||||::||
Db          1 GGGAAUUUGGAAAUUAC 17
```

RESULT 606
US-09-930-423-1322/c
; Sequence 1322, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MBHB00,918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1322
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-1322

Query Match 0.7%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 5.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy       1695 CCACCTTGCCACCCATT 1711
              ||||||||||| || ||
Db         17 CCACCTTGCCAGCCTTT 1
```

RESULT 607
US-09-827-395A-723/c
; Sequence 723, Application US/09827395A
; Publication No. US20030113891A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Lawrence Blatt
; APPLICANT: James McSwiggen
; APPLICANT: Bharat Chowrira
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor (
; FILE REFERENCE: MBHB00-878-C (400/017)
; CURRENT APPLICATION NUMBER: US/09/827,395A
; CURRENT FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: 09/780,533
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 2617
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 723
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-827-395A-723

Query Match 0.7%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 5.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy        495 GTCCGAGGCATCTGGCT 511
              ||| | ||||||||||
Db         17 GTCAGCGGCATCTGGCT 1
```

```
ESULT 608
S-09-740-332-1709/c
  Sequence 1709, Application US/09740332
  Publication No. US20030125270A1
  GENERAL INFORMATION:
   APPLICANT: Ribozyme Pharmaceuticals Inc.
   TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
   TITLE OF INVENTION:  Hepatitis C Virus Infection
   FILE REFERENCE: RPI 400/003
   CURRENT APPLICATION NUMBER: US/09/740,332
   CURRENT FILING DATE:  2001-03-26
   NUMBER OF SEQ ID NOS: 9704
   SOFTWARE: PatentIn version 3.0
  SEQ ID NO 1709
    LENGTH: 17
    TYPE: RNA
    ORGANISM: artificial sequence
    FEATURE:
    NAME/KEY: misc_feature
    LOCATION:
    OTHER INFORMATION: oligonucleotide substrate
S-09-740-332-1709

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        245 CTGAGGAGATGACCAAG 261
              ||||||||  ||  |||||
Db         17 CTGAGGAGCTGGCCAAG 1


ESULT 609
S-09-740-332-1724
; Sequence 1724, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Hepatitis C Virus Infection
;  FILE REFERENCE: RPI 400/003
   CURRENT APPLICATION NUMBER: US/09/740,332
   CURRENT FILING DATE:  2001-03-26
   NUMBER OF SEQ ID NOS: 9704
   SOFTWARE: PatentIn version 3.0
  SEQ ID NO 1724
    LENGTH: 17
    TYPE: RNA
    ORGANISM: artificial sequence
    FEATURE:
    NAME/KEY: misc_feature
    LOCATION:
    OTHER INFORMATION: oligonucleotide substrate
S-09-740-332-1724

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   70.6%;  Pred. No. 5.9e+02;
  Matches   12;  Conservative    3;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1106 CCAATATGACTAACCAG 1122
              ||||:|:|||:  ||||
Db          1 CCAAUAUGACUCCCCAG 17


ESULT 610
S-09-740-332-2831/c
; Sequence 2831, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Hepatitis C Virus Infection
;  FILE REFERENCE: RPI 400/003
;  CURRENT APPLICATION NUMBER: US/09/740,332
;  CURRENT FILING DATE:  2001-03-26
;  NUMBER OF SEQ ID NOS: 9704
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2831
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION:
;   OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-2831

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1107 CAATATGACTAACCAGA 1123
              |||||||||  |||||
Db         17 CAATATGACTCCCCAGA 1


RESULT 611
US-09-740-332-2846
; Sequence 2846, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
;  TITLE OF INVENTION:  Hepatitis C Virus Infection
;  FILE REFERENCE: RPI 400/003
;  CURRENT APPLICATION NUMBER: US/09/740,332
;  CURRENT FILING DATE:  2001-03-26
;  NUMBER OF SEQ ID NOS: 9704
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2846
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION:
;   OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-2846

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   76.5%;  Pred. No. 5.9e+02;
  Matches   13;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        244 GCTGAGGAGATGACCAA 260
              ||:||||||  :|  ||||
Db          1 GCUGAGGAGCUGGCCAA 17


RESULT 612
US-09-740-332-4133
; Sequence 4133, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
;  TITLE OF INVENTION:  Hepatitis C Virus Infection
;  FILE REFERENCE: RPI 400/003
;  CURRENT APPLICATION NUMBER: US/09/740,332
;  CURRENT FILING DATE:  2001-03-26
;  NUMBER OF SEQ ID NOS: 9704
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4133
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: artificial sequence
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```
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION:
;   OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-4133

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 5.9e+02;
  Matches   14;  Conservative    1;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1220 AGGACGCCATCCCTGAG 1236
              ||||| ||| |||:|||
Db          1 AGGACCCCACCCCUGAG 17


RESULT 613
US-09-792-818-95
; Sequence 95, Application US/09792818
; Publication No. US20030134806A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Jarvis, Thale
;  APPLICANT:  Von Carlowitz, Ira
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Hamblin, Paul
;  APPLICANT:  Ellis, Jonathan
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Inser
;  TITLE OF INVENTION:  (GRID) Gene
;  FILE REFERENCE: MBHB00-901-A (400/013)
;  CURRENT APPLICATION NUMBER: US/09/792,818
;  CURRENT FILING DATE:  2001-02-23
;  NUMBER OF SEQ ID NOS: 2304
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 95
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-792-818-95

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   64.7%;  Pred. No. 5.9e+02;
  Matches   11;  Conservative    4;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1515 GGACCTCTCCAGCTCTG 1531
              |||| :|:||| |:|:|
Db          1 GGACUUCUCCAUCUCUG 17


RESULT 614
US-09-745-237A-1322/c
; Sequence 1322, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
;  FILE REFERENCE: 400/007 (MBHB00-918-A)
;  CURRENT APPLICATION NUMBER: US/09/745,237A
;  CURRENT FILING DATE:  2002-04-15
;  NUMBER OF SEQ ID NOS: 4550
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1322
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-745-237A-1322

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1695 CCACCTTGCCACCCATT 1711
              |||||||||| || ||
Db         17 CCACCTTGCCAGCCTTT 1


RESULT 615
US-09-817-879-1709/c
; Sequence 1709, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Hepatitis C Virus Infection
;  FILE REFERENCE: MBHB00-801-F
;  CURRENT APPLICATION NUMBER: US/09/817,879
;  CURRENT FILING DATE:  2001-03-26
;  NUMBER OF SEQ ID NOS: 9703
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1709
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION:
;   OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-1709

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        245 CTGAGGAGATGACCAAG 261
              |||||||| || |||||
Db         17 CTGAGGAGCTGGCCAAG 1


RESULT 616
US-09-817-879-1724
; Sequence 1724, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Hepatitis C Virus Infection
;  FILE REFERENCE: MBHB00-801-F
;  CURRENT APPLICATION NUMBER: US/09/817,879
;  CURRENT FILING DATE:  2001-03-26
;  NUMBER OF SEQ ID NOS: 9703
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1724
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION:
;   OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-1724

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   70.6%;  Pred. No. 5.9e+02;
  Matches   12;  Conservative    3;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1106 CCAATATGACTAACCAG 1122
              ||||:|:|||:  ||||
Db          1 CCAAUAUGACUCCCCAG 17


RESULT 617
US-09-817-879-2831/c
; Sequence 2831, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
```

```
  APPLICANT: Ribozyme Pharmaceuticals Inc.
  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
  TITLE OF INVENTION:  Hepatitis C Virus Infection
  FILE REFERENCE: MBHB00-801-F
  CURRENT APPLICATION NUMBER: US/09/817,879
  CURRENT FILING DATE:  2001-03-26
  NUMBER OF SEQ ID NOS: 9703
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 2831
   LENGTH: 17
   TYPE: RNA
   ORGANISM: artificial sequence
   FEATURE:
   NAME/KEY: misc_feature
   LOCATION:
   OTHER INFORMATION: oligonucleotide substrate
JS-09-817-879-2831

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1107 CAATATGACTAACCAGA 1123
             ||||||||||  |||||
Db         17 CAATATGACTCCCCAGA 1


RESULT 618
JS-09-817-879-2846
  Sequence 2846, Application US/09817879
  Publication No. US20030171311A1
  GENERAL INFORMATION:
   APPLICANT: Ribozyme Pharmaceuticals Inc.
   TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
   TITLE OF INVENTION:  Hepatitis C Virus Infection
   FILE REFERENCE: MBHB00-801-F
   CURRENT APPLICATION NUMBER: US/09/817,879
   CURRENT FILING DATE:  2001-03-26
   NUMBER OF SEQ ID NOS: 9703
   SOFTWARE: PatentIn version 3.0
  SEQ ID NO 2846
    LENGTH: 17
    TYPE: RNA
    ORGANISM: artificial sequence
    FEATURE:
    NAME/KEY: misc_feature
    LOCATION:
    OTHER INFORMATION: oligonucleotide substrate
JS-09-817-879-2846

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   76.5%;  Pred. No. 5.9e+02;
  Matches   13;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        244 GCTGAGGAGATGACCAA 260
              ||:|||||| :| ||||
Db          1 GCUGAGGAGCUGGCCAA 17


RESULT 619
JS-09-817-879-4133
  Sequence 4133, Application US/09817879
  Publication No. US20030171311A1
  GENERAL INFORMATION:
   APPLICANT: Ribozyme Pharmaceuticals Inc.
   TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
   TITLE OF INVENTION:  Hepatitis C Virus Infection
   FILE REFERENCE: MBHB00-801-F
   CURRENT APPLICATION NUMBER: US/09/817,879
   CURRENT FILING DATE:  2001-03-26
   NUMBER OF SEQ ID NOS: 9703
   SOFTWARE: PatentIn version 3.0
  SEQ ID NO 4133
   LENGTH: 17
   TYPE: RNA
   ORGANISM: artificial sequence
   FEATURE:
   NAME/KEY: misc_feature
   LOCATION:
   OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-4133

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 5.9e+02;
  Matches   14;  Conservative    1;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1220 AGGACGCCATCCCTGAG 1236
              |||||  |||  |||:|||
Db          1 AGGACCCCACCCCUGAG 17


RESULT 620
US-10-342-902-438/c
 Sequence 438, Application US/10342902
 Publication No. US20040054156A1
 GENERAL INFORMATION:
  APPLICANT: Sirna Therapeutics, Inc.
  APPLICANT:  Draper, Kenneth
  APPLICANT:  Blatt, Larry
  APPLICANT:  McSwiggen, Jim
  APPLICANT:  Morrissey, Dave
  TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
  FILE REFERENCE: 400/075 (MBHB00-845-I)
  CURRENT APPLICATION NUMBER: US/10/342,902
  CURRENT FILING DATE:  2003-01-15
  PRIOR APPLICATION NUMBER: US 09/877,478
  PRIOR FILING DATE: 2001-06-08
  PRIOR APPLICATION NUMBER: US 09/531,025
  PRIOR FILING DATE: 2000-03-20
  PRIOR APPLICATION NUMBER: US 09/636,385
  PRIOR FILING DATE: 2000-08-09
  PRIOR APPLICATION NUMBER: US 09/696,347
  PRIOR FILING DATE: 2000-10-24
  PRIOR APPLICATION NUMBER: US 08/193,627
  PRIOR FILING DATE: 1994-02-07
  PRIOR APPLICATION NUMBER: US 07/882,712
  PRIOR FILING DATE: 1992-05-14
  PRIOR APPLICATION NUMBER: US 09/436,430
  PRIOR FILING DATE: 1999-11-08
  NUMBER OF SEQ ID NOS: 6592
  SOFTWARE: PatentIn version 3.2
 SEQ ID NO 438
   LENGTH: 17
   TYPE: RNA
   ORGANISM: Hepatitis B virus
US-10-342-902-438

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1466 AGAAGCCAGAAGCCAAA 1482
              |||||  ||||||  ||||
Db         17 AGAAGTCAGAAGGCAAA 1


RESULT 621
US-09-927-046-108/c
 Sequence 108, Application US/09927046
 Publication No. US20030064946A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc
  APPLICANT:  McSwiggen, Jim
  APPLICANT:  Thompson, Jim
  APPLICANT:  McKenzie, Tim
  APPLICANT:  Ayers, Dave
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;  APPLICANT:  Grupe, Andrew
;  APPLICANT:  Szymkowski, Edmund
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of Calcium Activated Chlori
;  TITLE OF INVENTION:  Channel-1
;  FILE REFERENCE: 249/021
;  CURRENT APPLICATION NUMBER: US/09/927,046
;  CURRENT FILING DATE:  2001-08-09
;  NUMBER OF SEQ ID NOS: 5450
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 108
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-927-046-108

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        327 CAAGCAGATGCAGAGAT 343
              ||| ||||| |||||||
Db         17 CAAACAGATACAGAGAT 1


RESULT 622
US-10-430-882-723/c
; Sequence 723, Application US/10430882
; Publication No. US20030203870A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Lawrence Blatt
;  APPLICANT:  James McSwiggen
;  APPLICANT:  Bharat Chowrira
;  APPLICANT:  Peter Haeberli
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor G
;  FILE REFERENCE: MBHB00-878-H (400/112)
;  CURRENT APPLICATION NUMBER: US/10/430,882
;  CURRENT FILING DATE:  2003-05-06
;  PRIOR APPLICATION NUMBER: 09/827,395
;  PRIOR FILING DATE: 2001-04-05
;  PRIOR APPLICATION NUMBER: 09/780,533
;  PRIOR FILING DATE: 2001-02-09
;  PRIOR APPLICATION NUMBER: PCT/US01/04273
;  PRIOR FILING DATE: 2001-02-09
;  PRIOR APPLICATION NUMBER: 60/181,797
;  PRIOR FILING DATE: 2000-02-11
;  PRIOR APPLICATION NUMBER: PCT/US02/10512
;  PRIOR FILING DATE: 2002-04-03
;  NUMBER OF SEQ ID NOS: 2617
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 723
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-430-882-723

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        495 GTCCGAGGCATCTGGCT 511
              ||| | ||||||||||
Db         17 GTCAGCGGCATCTGGCT 1


RESULT 623
US-10-060-756A-588
; Sequence 588, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 588
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-588

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1409 AAGAGAAAGACCCAGAG 1425
              ||||| |||||| ||||
Db          1 AAGAGGAAGACCTAGAG 17


RESULT 624
US-10-060-756A-589
; Sequence 589, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 589
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-589

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;
```

```
Qy       1410 AGAGAAAGACCCAGAGG 1426
              |||| |||||| |||||
Db          1 AGAGGAAGACCTAGAGG 17
```

RESULT 625
US-10-060-756A-590
; Sequence 590, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 590
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-590

Query Match 0.7%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 5.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy       1411 GAGAAAGACCCAGAGGA 1427
              ||| |||||| ||||||
Db          1 GAGGAAGACCTAGAGGA 17
```

RESULT 626
US-10-060-756A-591
; Sequence 591, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 591
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-591

Query Match 0.7%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 5.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy       1412 AGAAAGACCCAGAGGAG 1428
              || |||||| |||||||
Db          1 AGGAAGACCTAGAGGAG 17
```

RESULT 627
US-10-060-756A-1859
; Sequence 1859, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1859
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-1859

Query Match 0.7%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 5.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy       2034 TTTTTGAGATACTATTT 2050
              ||||| ||| |||||||
Db          1 TTTTTTAGAGACTATTT 17
```

RESULT 628
US-10-060-756A-1860
; Sequence 1860, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30

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;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1860
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-1860

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2035 TTTTGAGATACTATTTT 2051
              |||| ||| ||||||||
Db          1 TTTTTAGAGACTATTTT 17


RESULT 629
US-10-060-998-1329/c
; Sequence 1329, Application US/10060998
; Publication No. US20030104530A1
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
;  FILE REFERENCE: PB01108
;  CURRENT APPLICATION NUMBER: US/10/060,998
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/343,331
;  PRIOR FILING DATE: 2001-12-21
;  NUMBER OF SEQ ID NOS: 3056
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1329
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-998-1329

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1334 AAGAGGAGGGAGAGGGG 1350
              | ||||| |||||||||
Db         17 AGGAGGAAGGAGAGGGG 1


RESULT 630
US-10-163-552-559
; Sequence 559, Application US/10163552
; Publication No. US20030105051A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to level
;  TITLE OF INVENTION:  HER2
;  FILE REFERENCE: MBHB01-1653-A (400/014)
;  CURRENT APPLICATION NUMBER: US/10/163,552
;  CURRENT FILING DATE:  2002-06-06
;  NUMBER OF SEQ ID NOS: 1997
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 559
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-163-552-559

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   70.6%;  Pred. No. 5.9e+02;
  Matches   12;  Conservative    3;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1268 ACAAGCGCATCTCGATC 1284
              ||||| |||:|: ||:|
Db          1 ACAAGGGCAUCUGGAUC 17


RESULT 631
US-10-156-306-609/c
; Sequence 609, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Levels of IKK-Gamma and PKR
;  FILE REFERENCE: MBHB01-664-A (400/050)
;  CURRENT APPLICATION NUMBER: US/10/156,306
;  CURRENT FILING DATE:  2002-05-28
;  NUMBER OF SEQ ID NOS: 8013
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 609
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-156-306-609

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1607 TAAAAATTTATTAAATA 1623
              || ||||||| ||||||
Db         17 TAGAAATTTAATAAATA 1


RESULT 632
US-10-156-306-3500/c
; Sequence 3500, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Levels of IKK-Gamma and PKR
;  FILE REFERENCE: MBHB01-664-A (400/050)
;  CURRENT APPLICATION NUMBER: US/10/156,306
;  CURRENT FILING DATE:  2002-05-28
;  NUMBER OF SEQ ID NOS: 8013
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3500
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-156-306-3500

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;
```

```
Qy       1872 AGGATCTCCTGTTTTTT 1888
              ||| ||||||| |||||
Db         17 AGGGTCTCCTGATTTTT 1

RESULT 633
US-10-156-306-5928
; Sequence 5928, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Levels of IKK-Gamma and PKR
;  FILE REFERENCE: MBHB01-664-A (400/050)
;  CURRENT APPLICATION NUMBER: US/10/156,306
;  CURRENT FILING DATE:  2002-05-28
;  NUMBER OF SEQ ID NOS: 8013
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5928
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-156-306-5928

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 5.9e+02;
  Matches   14;  Conservative    1;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        318 GGAGTACAGCAAGCAGA 334
              ||||:||||||| | ||
Db          1 GGAGUACAGCAAACUGA 17

RESULT 634
US-10-156-306-6797
; Sequence 6797, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Levels of IKK-Gamma and PKR
;  FILE REFERENCE: MBHB01-664-A (400/050)
;  CURRENT APPLICATION NUMBER: US/10/156,306
;  CURRENT FILING DATE:  2002-05-28
;  NUMBER OF SEQ ID NOS: 8013
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6797
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-156-306-6797

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1642 GAAACCAAGGCCCCGAG 1658
              ||||| ||||||| |||
Db          1 GAAACUAAGGCCCAGAG 17

RESULT 635
US-10-238-700-2700/c
; Sequence 2700, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2700
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-238-700-2700

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          7 AGCCGCGGGCGGGAGGG 23
              |||||||| |||| |||
Db         17 AGCCGCGGTCGGGCGGG 1

RESULT 636
US-10-238-700-3037
; Sequence 3037, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Leve
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3037
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-238-700-3037

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1249 GAGGACGAAGACGACCC 1265
              | ||||||| |||||||
Db          1 GUGGACGAAUACGACCC 17

RESULT 637
US-10-238-700-3128
; Sequence 3128, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Leve
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3128
;   LENGTH: 17
```

```
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-238-700-3128

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   64.7%;  Pred. No. 5.9e+02;
  Matches   11;  Conservative    4;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        611 TGGAAGAGGCCTTCTAC 627
              :||| || |||::|:|| 
Db          1 UGGAGGAUGCCUUCUAC 17


RESULT 638
US-10-339-782-240/c
; Sequence 240, Application US/10339782
; Publication No. US20030166026A1
; GENERAL INFORMATION:
;  APPLICANT: Lynx Therapeutics, Inc.
;  APPLICANT:  Goodman, Laurie J
;  APPLICANT:  Bowen, Benjamin A
;  TITLE OF INVENTION: Identification of Specific Biomarkers for Breast Cancer Cells
;  FILE REFERENCE: 37-000110US
;  CURRENT APPLICATION NUMBER: US/10/339,782
;  CURRENT FILING DATE:  2003-01-08
;  NUMBER OF SEQ ID NOS: 495
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 240
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-339-782-240

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1133 AGTACCTGGAGAAGATC 1149
              ||| | ||||||||||| 
Db         17 AGTTCTTGGAGAAGATC 1


RESULT 639
US-10-339-793-94
; Sequence 94, Application US/10339793
; Publication No. US20030180764A1
; GENERAL INFORMATION:
;  APPLICANT: Lynx Therapeutics, Inc.
;  APPLICANT:  Shang, Jin
;  APPLICANT:  Bowen, Benjamin
;  TITLE OF INVENTION: GENES AFFECTED BY CHOLESTEROL TREATMENT AND DURING ADIPOGENESIS
;  FILE REFERENCE: 37-000310US
;  CURRENT APPLICATION NUMBER: US/10/339,793
;  CURRENT FILING DATE:  2003-01-08
;  NUMBER OF SEQ ID NOS: 443
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 94
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-339-793-94

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2041 GATACTATTTTCATTTT 2057
              ||| ||||||| ||||| 
Db          1 GATCCTATTTTAATTTT 17


RESULT 640
US-10-138-674-947
; Sequence 947, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rc
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/138,674
;  CURRENT FILING DATE:  2002-05-03
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 947
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-138-674-947

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   58.8%;  Pred. No. 5.9e+02;
  Matches   10;  Conservative    5;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        419 CAAGTGCTGTGAAACTT 435
              ||| :||: :|||||:: 
Db          1 CAACUGCUUUGAAACUU 17


RESULT 641
US-10-138-674-2390/c
; Sequence 2390, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rc
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/138,674
;  CURRENT FILING DATE:  2002-05-03
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2390
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Mus musculus
US-10-138-674-2390

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1579 ATATTTTCTATTTCTCT 1595
              | || |||||||||||| 
Db         17 AAATGTTCTATTTCTCT 1


RESULT 642
US-10-138-674-4755
; Sequence 4755, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
```

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  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE:  2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4755
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
JS-10-138-674-4755

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   76.5%;  Pred. No. 5.9e+02;
  Matches   13;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

)y        471 TGGGGGCCTGCACCATG 487
              :||| |||:|||||| |
)b          1 UGGGAGCCUGCACCAAG 17


!ESULT 643
JS-10-138-674-4756
; Sequence 4756, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/138,674
;  CURRENT FILING DATE:  2002-05-03
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4756
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
JS-10-138-674-4756

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 5.9e+02;
  Matches   14;  Conservative    1;  Mismatches    2;  Indels    0;  Gaps    0;

)y        474 GGGCCTGCACCATGCAA 490
              | |||:|||||| ||||
)b          1 GAGCCUGCACCAAGCAA 17


!ESULT 644
/S-10-138-674-4757
; Sequence 4757, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/138,674
;  CURRENT FILING DATE:  2002-05-03
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4757
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-138-674-4757

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 5.9e+02;
  Matches   14;  Conservative    1;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        476 GCCTGCACCATGCAAAG 492
              |||:|||||| |||| |
Db          1 GCCUGCACCAAGCAAGG 17


RESULT 645
US-10-138-674-4758
; Sequence 4758, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions R
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/138,674
;  CURRENT FILING DATE:  2002-05-03
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4758
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-138-674-4758

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 5.9e+02;
  Matches   14;  Conservative    1;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        477 CCTGCACCATGCAAAGA 493
              ||:|||||| |||| ||
Db          1 CCUGCACCAAGCAAGGA 17


RESULT 646
US-10-138-674-5394/c
; Sequence 5394, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions R
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/138,674
;  CURRENT FILING DATE:  2002-05-03
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5394
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-138-674-5394

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        349 GTTGGTGAGGACTGTCC 365
              | ||| ||||||||||||
```

```
Db         17 GGTGGAGAGGACTGTCC 1


RESULT 647
US-10-138-674-7633
; Sequence 7633, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/138,674
;  CURRENT FILING DATE:  2002-05-03
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7633
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-138-674-7633

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 5.9e+02;
  Matches   14;  Conservative    1;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        472 GGGGGCCTGCACCATGC 488
              ||| |||:|||||| ||
Db          1 GGGAGCCUGCACCAAGC 17


RESULT 648
US-10-676-154-55/c
; Sequence 55, Application US/10676154
; Publication No. US20040081996A1
; GENERAL INFORMATION:
;  APPLICANT: John Landers
;  APPLICANT:  David Houseman
;  APPLICANT:  Barbara Jordan
;  APPLICANT:  Alain Charest
;  TITLE OF INVENTION: Methods and Products Related to
;  TITLE OF INVENTION:  Genotyping and DNA Analysis
;  FILE REFERENCE: M0656/7045(HCL/MAT)
;  CURRENT APPLICATION NUMBER: US/10/676,154
;  CURRENT FILING DATE:  2003-09-29
;  PRIOR APPLICATION NUMBER: US 60/101,757
;  PRIOR FILING DATE: 1998-09-25
;  PRIOR APPLICATION NUMBER: PCT/US99/22283
;  PRIOR FILING DATE: 1999-09-24
;  NUMBER OF SEQ ID NOS: 691
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 55
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
US-10-676-154-55

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1855 GGGTGGCTGGGTCTTCA 1871
              || |||||| |||||||
Db         17 GGCTGGCTGTGTCTTCA 1


RESULT 649
US-10-676-154-56/c
; Sequence 56, Application US/10676154
; Publication No. US20040081996A1
; GENERAL INFORMATION:
;  APPLICANT: John Landers
;  APPLICANT:  David Houseman
;  APPLICANT:  Barbara Jordan
;  APPLICANT:  Alain Charest
;  TITLE OF INVENTION: Methods and Products Related to
;  TITLE OF INVENTION:  Genotyping and DNA Analysis
;  FILE REFERENCE: M0656/7045(HCL/MAT)
;  CURRENT APPLICATION NUMBER: US/10/676,154
;  CURRENT FILING DATE:  2003-09-29
;  PRIOR APPLICATION NUMBER: US 60/101,757
;  PRIOR FILING DATE: 1998-09-25
;  PRIOR APPLICATION NUMBER: PCT/US99/22283
;  PRIOR FILING DATE: 1999-09-24
;  NUMBER OF SEQ ID NOS: 691
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 56
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
US-10-676-154-56

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1855 GGGTGGCTGGGTCTTCA 1871
              || |||||| |||||||
Db         17 GGCTGGCTGCGTCTTCA 1


RESULT 650
US-10-287-949A-947
; Sequence 947, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/287,949A
;  CURRENT FILING DATE:  2003-04-11
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 947
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-287-949A-947

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   58.8%;  Pred. No. 5.9e+02;
  Matches   10;  Conservative    5;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        419 CAAGTGCTGTGAAACTT 435
              ||| :||: :|||||::
Db          1 CAACUGCUUUGAAACUU 17


RESULT 651
US-10-287-949A-2390/c
; Sequence 2390, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
```

```
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/287,949A
;  CURRENT FILING DATE:  2003-04-11
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2390
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Mus musculus
JS-10-287-949A-2390

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

)y       1579 ATATTTTCTATTTCTCT 1595
              | || ||||||||||||
)b         17 AAATGTTCTATTTCTCT 1


!ESULT 652
!S-10-287-949A-4755
  Sequence 4755, Application US/10287949A
  Publication No. US20040102389A1
  GENERAL INFORMATION:
   APPLICANT: Ribozyme Pharmaceuticals, Inc.
   APPLICANT:  Pavco, Pam
   APPLICANT:  McSwiggen, Jim
   APPLICANT:  Stinchcomb, Dan
   APPLICANT:  Escobedo, Jaime
   TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
   TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
   FILE REFERENCE: MBHB00-876-N (400/049)
   CURRENT APPLICATION NUMBER: US/10/287,949A
   CURRENT FILING DATE:  2003-04-11
   NUMBER OF SEQ ID NOS: 20822
   SOFTWARE: PatentIn version 3.0
  SEQ ID NO 4755
    LENGTH: 17
    TYPE: RNA
    ORGANISM: Homo sapiens
S-10-287-949A-4755

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   76.5%;  Pred. No. 5.9e+02;
  Matches   13;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

y        471 TGGGGGCCTGCACCATG 487
             :||| |||:|||||| |
b          1 UGGGAGCCUGCACCAAG 17


ESULT 653
S-10-287-949A-4756
 Sequence 4756, Application US/10287949A
 Publication No. US20040102389A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  Pavco, Pam
  APPLICANT:  McSwiggen, Jim
  APPLICANT:  Stinchcomb, Dan
  APPLICANT:  Escobedo, Jaime
  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
  FILE REFERENCE: MBHB00-876-N (400/049)
  CURRENT APPLICATION NUMBER: US/10/287,949A
  CURRENT FILING DATE:  2003-04-11
  NUMBER OF SEQ ID NOS: 20822
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 4756
 ;   LENGTH: 17
 ;   TYPE: RNA
 ;   ORGANISM: Homo sapiens
US-10-287-949A-4756

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 5.9e+02;
  Matches   14;  Conservative    1;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        474 GGGCCTGCACCATGCAA 490
              | |||:|||||| ||||
Db          1 GAGCCUGCACCAAGCAA 17


RESULT 654
US-10-287-949A-4757
; Sequence 4757, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions R
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/287,949A
;  CURRENT FILING DATE:  2003-04-11
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4757
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-287-949A-4757

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 5.9e+02;
  Matches   14;  Conservative    1;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        476 GCCTGCACCATGCAAAG 492
              |||:|||||| |||| |
Db          1 GCCUGCACCAAGCAAGG 17


RESULT 655
US-10-287-949A-4758
; Sequence 4758, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/287,949A
;  CURRENT FILING DATE:  2003-04-11
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4758
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-287-949A-4758

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 5.9e+02;
  Matches   14;  Conservative    1;  Mismatches    2;  Indels    0;  Gaps    0;
```

```
Qy        477 CCTGCACCATGCAAAGA 493
              ||:|||||| |||| ||
Db          1 CCUGCACCAAGCAAGGA 17
```

RESULT 656
US-10-287-949A-5394/c
; Sequence 5394, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5394
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-5394

Query Match 0.7%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 5.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy        349 GTTGGTGAGGACTGTCC 365
              | ||| ||||||||||
Db         17 GGTGGAGAGGACTGTCC 1
```

RESULT 657
US-10-287-949A-7633
; Sequence 7633, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7633
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-7633

Query Match 0.7%; Score 13.8; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 5.9e+02;
Matches 14; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

```
Qy        472 GGGGGCCTGCACCATGC 488
              ||| |||:|||||| ||
Db          1 GGGAGCCUGCACCAAGC 17
```

RESULT 658
US-10-712-672-978/c
; Sequence 978, Application US/10712672
; Publication No. US20040102413A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Chowrira, Bharat
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
; FILE REFERENCE: MBHB00-882-C (400/019)
; CURRENT APPLICATION NUMBER: US/10/712,672
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US/09/653,225
; PRIOR FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/197,769
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/150,713
; PRIOR FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 5586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 978
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-712-672-978

Query Match 0.7%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 5.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy        618 GGCCTTCTACACCACGG 634
              |||||||| |||||||
Db         17 GGCCTTCTGGACCACGG 1
```

RESULT 659
US-10-712-672-2255/c
; Sequence 2255, Application US/10712672
; Publication No. US20040102413A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Chowrira, Bharat
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
; FILE REFERENCE: MBHB00-882-C (400/019)
; CURRENT APPLICATION NUMBER: US/10/712,672
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US/09/653,225
; PRIOR FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/197,769
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/150,713
; PRIOR FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 5586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2255
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-712-672-2255

Query Match 0.7%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 5.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy       1412 AGAAAGACCCAGAGGAG 1428
              |||||||||| ||| ||
Db         17 AGAAAGACCCTGAGCAG 1
```

RESULT 660
US-10-669-841-438/c
; Sequence 438, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:

APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: Lawrence, Blatt
APPLICANT: Dennis, Macejak
APPLICANT: James, McSwiggen
APPLICANT: David, Morrissey
APPLICANT: Pamela, Pavco
APPLICANT: Patrice, Lee
APPLICANT: Kenneth, Draper
APPLICANT: Elisabeth, Roberts
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
TITLE OF INVENTION: VIRUS REPLICATION
FILE REFERENCE: 400/042US (MBHB02-249-E)
CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT FILING DATE: 2003-09-23
PRIOR APPLICATION NUMBER: PCT/US02/09187
PRIOR FILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: US 60/296,876
PRIOR FILING DATE: 2001-06-08
PRIOR APPLICATION NUMBER: US 60/335,059
PRIOR FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: US 60/337,055
PRIOR FILING DATE: 2001-12-05
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 09/817,879
PRIOR FILING DATE: 2001-03-26
PRIOR APPLICATION NUMBER: US 09/740,332
PRIOR FILING DATE: 2000-12-18
PRIOR APPLICATION NUMBER: US 09/611,931
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: US 09/504,321
PRIOR FILING DATE: 2000-02-15
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 16207
SOFTWARE: PatentIn version 3.0
SEQ ID NO 438
LENGTH: 17
TYPE: RNA
ORGANISM: Hepatitis B Virus
:-10-669-841-438

Query Match 0.7%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 5.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

1466 AGAAGCCAGAAGCCAAA 1482
||||| |||||| ||||
17 AGAAGTCAGAAGGCAAA 1

:SULT 661
:-10-669-841-4302/c
Sequence 4302, Application US/10669841
Publication No. US20040127446A1
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: Lawrence, Blatt
APPLICANT: Dennis, Macejak
APPLICANT: James, McSwiggen
APPLICANT: David, Morrissey
APPLICANT: Pamela, Pavco
APPLICANT: Patrice, Lee
APPLICANT: Kenneth, Draper
APPLICANT: Elisabeth, Roberts
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
TITLE OF INVENTION: VIRUS REPLICATION
FILE REFERENCE: 400/042US (MBHB02-249-E)
CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT FILING DATE: 2003-09-23
PRIOR APPLICATION NUMBER: PCT/US02/09187
PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; PRIOR FILING DATE: 2000-02-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4302
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-10-669-841-4302

Query Match 0.7%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 5.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 245 CTGAGGAGATGACCAAG 261
||||||| || |||||
Db 17 CTGAGGAGCTGGCCAAG 1

RESULT 662
US-10-669-841-4317
; Sequence 4317, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patrice, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
; TITLE OF INVENTION: VIRUS REPLICATION
; FILE REFERENCE: 400/042US (MBHB02-249-E)
; CURRENT APPLICATION NUMBER: US/10/669,841
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11

```
;  PRIOR APPLICATION NUMBER: US 09/817,879
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: US 09/740,332
;  PRIOR FILING DATE: 2000-12-18
;  PRIOR APPLICATION NUMBER: US 09/611,931
;  PRIOR FILING DATE: 2000-07-07
;  PRIOR APPLICATION NUMBER: US 09/504,321
;  PRIOR FILING DATE: 2000-02-15
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 16207
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4317
;    LENGTH: 17
;    TYPE: RNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence:  Nucleic Acid
;    FEATURE:
;    NAME/KEY: misc_feature
;    LOCATION:
;    OTHER INFORMATION: oligonucleotide substrate
US-10-669-841-4317

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   70.6%;  Pred. No. 5.9e+02;
  Matches   12;  Conservative    3;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1106 CCAATATGACTAACCAG 1122
              ||||:|:|||:  ||||
Db          1 CCAAUAUGACUCCCCAG 17


RESULT 663
US-10-669-841-5424/c
; Sequence 5424, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
;  APPLICANT: Sirna Therapeutics, Inc.
;  APPLICANT:  Lawrence, Blatt
;  APPLICANT:  Dennis, Macejak
;  APPLICANT:  James, McSwiggen
;  APPLICANT:  David, Morrissey
;  APPLICANT:  Pamela, Pavco
;  APPLICANT:  Patrice, Lee
;  APPLICANT:  Kenneth, Draper
;  APPLICANT:  Elisabeth, Roberts
;  TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
;  TITLE OF INVENTION:  VIRUS REPLICATION
;  FILE REFERENCE: 400/042US  (MBHB02-249-E)
;  CURRENT APPLICATION NUMBER: US/10/669,841
;  CURRENT FILING DATE:  2003-09-23
;  PRIOR APPLICATION NUMBER: PCT/US02/09187
;  PRIOR FILING DATE: 2002-03-26
;  PRIOR APPLICATION NUMBER: US 60/296,876
;  PRIOR FILING DATE: 2001-06-08
;  PRIOR APPLICATION NUMBER: US 60/335,059
;  PRIOR FILING DATE: 2001-10-24
;  PRIOR APPLICATION NUMBER: US 60/337,055
;  PRIOR FILING DATE: 2001-12-05
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 60/363,124
;  PRIOR FILING DATE: 2002-03-11
;  PRIOR APPLICATION NUMBER: US 09/817,879
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: US 09/740,332
;  PRIOR FILING DATE: 2000-12-18
;  PRIOR APPLICATION NUMBER: US 09/611,931
;  PRIOR FILING DATE: 2000-07-07
;  PRIOR APPLICATION NUMBER: US 09/504,321
;  PRIOR FILING DATE: 2000-02-15
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 16207
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5424
;    LENGTH: 17
;    TYPE: RNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence:  Nucleic Acid
;    FEATURE:
;    NAME/KEY: misc_feature
;    LOCATION:
;    OTHER INFORMATION: oligonucleotide substrate
US-10-669-841-5424

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1107 CAATATGACTAACCAGA 1123
              |||||||||| |||||
Db         17 CAATATGACTCCCCAGA 1


RESULT 664
US-10-669-841-5439
; Sequence 5439, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
;  APPLICANT: Sirna Therapeutics, Inc.
;  APPLICANT:  Lawrence, Blatt
;  APPLICANT:  Dennis, Macejak
;  APPLICANT:  James, McSwiggen
;  APPLICANT:  David, Morrissey
;  APPLICANT:  Pamela, Pavco
;  APPLICANT:  Patrice, Lee
;  APPLICANT:  Kenneth, Draper
;  APPLICANT:  Elisabeth, Roberts
;  TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
;  TITLE OF INVENTION:  VIRUS REPLICATION
;  FILE REFERENCE: 400/042US  (MBHB02-249-E)
;  CURRENT APPLICATION NUMBER: US/10/669,841
;  CURRENT FILING DATE:  2003-09-23
;  PRIOR APPLICATION NUMBER: PCT/US02/09187
;  PRIOR FILING DATE: 2002-03-26
;  PRIOR APPLICATION NUMBER: US 60/296,876
;  PRIOR FILING DATE: 2001-06-08
;  PRIOR APPLICATION NUMBER: US 60/335,059
;  PRIOR FILING DATE: 2001-10-24
;  PRIOR APPLICATION NUMBER: US 60/337,055
;  PRIOR FILING DATE: 2001-12-05
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 60/363,124
;  PRIOR FILING DATE: 2002-03-11
;  PRIOR APPLICATION NUMBER: US 09/817,879
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: US 09/740,332
;  PRIOR FILING DATE: 2000-12-18
;  PRIOR APPLICATION NUMBER: US 09/611,931
;  PRIOR FILING DATE: 2000-07-07
;  PRIOR APPLICATION NUMBER: US 09/504,321
;  PRIOR FILING DATE: 2000-02-15
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 16207
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5439
;    LENGTH: 17
;    TYPE: RNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence:  Nucleic Acid
;    FEATURE:
;    NAME/KEY: misc_feature
;    LOCATION:
```

```
   OTHER INFORMATION: oligonucleotide substrate
;-10-669-841-5439

 Query Match              0.7%;  Score 13.8;  DB 1;  Length 17;
 Best Local Similarity   76.5%;  Pred. No. 5.9e+02;
 Matches   13;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

/        244 GCTGAGGAGATGACCAA 260
             ||:|||||| :| ||||
>          1 GCUGAGGAGCUGGCCAA 17


ESULT 665
3-10-669-841-6726
 Sequence 6726, Application US/10669841
 Publication No. US20040127446A1
 GENERAL INFORMATION:
  APPLICANT: Sirna Therapeutics, Inc.
  APPLICANT:  Lawrence, Blatt
  APPLICANT:  Dennis, Macejak
  APPLICANT:  James, McSwiggen
  APPLICANT:  David, Morrissey
  APPLICANT:  Pamela, Pavco
  APPLICANT:  Patrice, Lee
  APPLICANT:  Kenneth, Draper
  APPLICANT:  Elisabeth, Roberts
  TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
  TITLE OF INVENTION:  VIRUS REPLICATION
  FILE REFERENCE: 400/042US  (MBHB02-249-E)
  CURRENT APPLICATION NUMBER: US/10/669,841
  CURRENT FILING DATE:  2003-09-23
  PRIOR APPLICATION NUMBER: PCT/US02/09187
  PRIOR FILING DATE: 2002-03-26
  PRIOR APPLICATION NUMBER: US 60/296,876
  PRIOR FILING DATE: 2001-06-08
  PRIOR APPLICATION NUMBER: US 60/335,059
  PRIOR FILING DATE: 2001-10-24
  PRIOR APPLICATION NUMBER: US 60/337,055
  PRIOR FILING DATE: 2001-12-05
  PRIOR APPLICATION NUMBER: US 60/358,580
  PRIOR FILING DATE: 2002-02-20
  PRIOR APPLICATION NUMBER: US 60/363,124
  PRIOR FILING DATE: 2002-03-11
  PRIOR APPLICATION NUMBER: US 09/817,879
  PRIOR FILING DATE: 2001-03-26
  PRIOR APPLICATION NUMBER: US 09/740,332
  PRIOR FILING DATE: 2000-12-18
  PRIOR APPLICATION NUMBER: US 09/611,931
  PRIOR FILING DATE: 2000-07-07
  PRIOR APPLICATION NUMBER: US 09/504,321
  PRIOR FILING DATE: 2000-02-15
  Remaining Prior Application data removed - See File Wrapper or PALM.
  NUMBER OF SEQ ID NOS: 16207
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 6726
   LENGTH: 17
   TYPE: RNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence:  Nucleic Acid
   FEATURE:
   NAME/KEY: misc_feature
   LOCATION:
   OTHER INFORMATION: oligonucleotide substrate
/S-10-669-841-6726

 Query Match              0.7%;  Score 13.8;  DB 1;  Length 17;
 Best Local Similarity   82.4%;  Pred. No. 5.9e+02;
 Matches   14;  Conservative    1;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1220 AGGACGCCATCCCTGAG 1236
              ||||| ||| |||:|||
Db          1 AGGACCCCACCCCUGAG 17


RESULT 666
US-10-723-361-6562
; Sequence 6562, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
;  FILE REFERENCE: PB0105
;  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: US 09/866,108
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 6562
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-723-361-6562

  Query Match              0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1011 AGCTGTGGCCCTGGATA 1027
              | || ||||||||||||||
Db          1 ACCTCTGGCCCTGGATA 17


RESULT 667
US-10-723-361-7084
; Sequence 7084, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AI
;  FILE REFERENCE: PB0105
;  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: US 09/866,108
```

```
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 7084
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-723-361-7084

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1455 AACCAAGGAGGAGAAGC 1471
             | ||||||||||| |||
Db          1 AGCCAAGGAGGAGGAGC 17


RESULT 668
US-10-723-361-8667
; Sequence 8667, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
;  FILE REFERENCE: PB0105
;  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: US 09/866,108
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 8667
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-723-361-8667

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1454 AAACCAAGGAGGAGAAG 1470
              || |||||| |||||||||
Db          1 AAGCCAAGAAGGAGAAG 17


RESULT 669
US-10-723-361-8668
; Sequence 8668, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AI
;  FILE REFERENCE: PB0105
;  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: US 09/866,108
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 8668
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-723-361-8668

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1455 AACCAAGGAGGAGAAGC 1471
             | |||||| |||||||||
Db          1 AGCCAAGAAGGAGAAGC 17


RESULT 670
```

```
:-10-723-361-8944/c
 Sequence 8944, Application US/10723361
 Publication No. US20040137589A1
 GENERAL INFORMATION:
  APPLICANT: GU, Yizhong
  APPLICANT:  JI, Yonggang
  APPLICANT:  PENN, Sharron G.
  APPLICANT:  HANZEL, David K.
  APPLICANT:  RANK, David R.
  APPLICANT:  CHEN, Wensheng
  APPLICANT:  SHANNON, Mark
  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
  FILE REFERENCE: PB0105
  CURRENT APPLICATION NUMBER: US/10/723,361
  CURRENT FILING DATE:  2003-11-26
  PRIOR APPLICATION NUMBER: US 09/866,108
  PRIOR FILING DATE: 2001-05-25
  PRIOR APPLICATION NUMBER: US 60/207,456
  PRIOR FILING DATE: 2000-05-26
  PRIOR APPLICATION NUMBER: GB 24263.6
  PRIOR FILING DATE: 2000-10-04
  PRIOR APPLICATION NUMBER: US 60/236,359
  PRIOR FILING DATE: 2000-09-27
  PRIOR APPLICATION NUMBER: PCT/US01/00666
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00667
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00664
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00669
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00665
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00668
  PRIOR FILING DATE: 2001-01-30
  Remaining Prior Application data removed - See File Wrapper or PALM.
  NUMBER OF SEQ ID NOS: 15755
  SOFTWARE: Aeomica Sequence Listing Engine
 SEQ ID NO 8944
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
S-10-723-361-8944

 Query Match              0.7%;  Score 13.8;  DB 1;  Length 17;
 Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
 Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1682 GCTCTTCCAGGAGCCAC 1698
             ||||||||||| ||| |
Db         17 GCTCTTCCAGGCGCCGC 1


ESULT 671
S-10-723-361-8947/c
 Sequence 8947, Application US/10723361
 Publication No. US20040137589A1
 GENERAL INFORMATION:
  APPLICANT: GU, Yizhong
  APPLICANT:  JI, Yonggang
  APPLICANT:  PENN, Sharron G.
  APPLICANT:  HANZEL, David K.
  APPLICANT:  RANK, David R.
  APPLICANT:  CHEN, Wensheng
  APPLICANT:  SHANNON, Mark
  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
  FILE REFERENCE: PB0105
  CURRENT APPLICATION NUMBER: US/10/723,361
  CURRENT FILING DATE:  2003-11-26
  PRIOR APPLICATION NUMBER: US 09/866,108
  PRIOR FILING DATE: 2001-05-25
  PRIOR APPLICATION NUMBER: US 60/207,456
  PRIOR FILING DATE: 2000-05-26
  PRIOR APPLICATION NUMBER: GB 24263.6
  PRIOR FILING DATE: 2000-10-04
  PRIOR APPLICATION NUMBER: US 60/236,359
  PRIOR FILING DATE: 2000-09-27
  PRIOR APPLICATION NUMBER: PCT/US01/00666
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00667
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00664
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00669
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00665
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00668
  PRIOR FILING DATE: 2001-01-30
  Remaining Prior Application data removed - See File Wrapper or PALM.
  NUMBER OF SEQ ID NOS: 15755
  SOFTWARE: Aeomica Sequence Listing Engine
 SEQ ID NO 8947
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
US-10-723-361-8947

  Query Match              0.7%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1679 TGAGCTCTTCCAGGAGC 1695
              | |||||||||||| ||
Db         17 TCAGCTCTTCCAGGCGC 1


RESULT 672
US-09-832-648-11/c
; Sequence 11, Application US/09832648
; Patent No. US20020098231A1
; GENERAL INFORMATION:
;  APPLICANT: STEIN, CY A
;  TITLE OF INVENTION: OLIGONUCLEOTIDE INHIBITORS OF BCL-XL
;  FILE REFERENCE: 0575/55669Z
;  CURRENT APPLICATION NUMBER: US/09/832,648
;  CURRENT FILING DATE:  2001-04-11
;  PRIOR APPLICATION NUMBER: 09/109,614
;  PRIOR FILING DATE: 1998-07-02
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE
US-09-832-648-11

  Query Match              0.7%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 6.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1762 GGATACTTTTATGCAAC 1778
              |||||||||| || |||
Db         18 GGATACTTTTGTGGAAC 2


RESULT 673
US-09-832-648-30/c
; Sequence 30, Application US/09832648
; Patent No. US20020098231A1
; GENERAL INFORMATION:
;  APPLICANT: STEIN, CY A
;  TITLE OF INVENTION: OLIGONUCLEOTIDE INHIBITORS OF BCL-XL
;  FILE REFERENCE: 0575/55669Z
```

```
;  CURRENT APPLICATION NUMBER: US/09/832,648
;  CURRENT FILING DATE:  2001-04-11
;  PRIOR APPLICATION NUMBER: 09/109,614
;  PRIOR FILING DATE: 1998-07-02
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE
;   NAME/KEY: misc_binding
;   LOCATION: (1)..(4)
;   OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
;   NAME/KEY: misc_binding
;   LOCATION: (5)..(6)
;   OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
;   NAME/KEY: misc_binding
;   LOCATION: (8)..(9)
;   OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
;   NAME/KEY: misc_binding
;   LOCATION: (14)..(18)
;   OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
;   NAME/KEY: modified_base
;   LOCATION: (3)..(4)
;   OTHER INFORMATION: PROPYNYL dT
;   NAME/KEY: modified_base
;   LOCATION: (5)..(6)
;   OTHER INFORMATION: PROPYNYL dC
;   NAME/KEY: modified_base
;   LOCATION: (8)..(8)
;   OTHER INFORMATION: PROPYNYL dC
;   NAME/KEY: modified_base
;   LOCATION: (14)..(14)
;   OTHER INFORMATION: PROPYNYL dT
;   NAME/KEY: modified_base
;   LOCATION: (16)..(16)
;   OTHER INFORMATION: PROPYNYL dT
;   NAME/KEY: modified_base
;   LOCATION: (17)..(17)
;   OTHER INFORMATION: PROPYNYL dC
US-09-832-648-30

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 6.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1762 GGATACTTTTATGCAAC 1778
              ||||||||||  || |||
Db         18 GGATACTTTTGTGGAAC 2


RESULT 674
US-09-832-648-31/c
; Sequence 31, Application US/09832648
; Patent No. US20020098231A1
; GENERAL INFORMATION:
;  APPLICANT: STEIN, CY A
;  TITLE OF INVENTION: OLIGONUCLEOTIDE INHIBITORS OF BCL-XL
;  FILE REFERENCE: 0575/55669Z
;  CURRENT APPLICATION NUMBER: US/09/832,648
;  CURRENT FILING DATE:  2001-04-11
;  PRIOR APPLICATION NUMBER: 09/109,614
;  PRIOR FILING DATE: 1998-07-02
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 31
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE
;   NAME/KEY: misc_binding
;   LOCATION: (1)..(4)
;   OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
;   NAME/KEY: misc_binding
;   LOCATION: (5)..(6)
;   OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
;   NAME/KEY: misc_binding
;   LOCATION: (8)..(9)
;   OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
;   NAME/KEY: misc_binding
;   LOCATION: (14)..(18)
;   OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
US-09-832-648-31

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 6.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1762 GGATACTTTTATGCAAC 1778
              ||||||||||  || |||
Db         18 GGATACTTTTGTGGAAC 2


RESULT 675
US-09-938-689-62/c
; Sequence 62, Application US/09938689
; Publication No. US20030028911A1
; GENERAL INFORMATION:
;  APPLICANT: Huang, Manley
;  APPLICANT:  Harding, Fiona
;  TITLE OF INVENTION: TRANSGENIC MAMMAL CAPABLE OF FACILITATING PRODUCTION OF
;  TITLE OF INVENTION:  DONOR-SPECIFIC FUNCTIONAL IMMUNITY
;  FILE REFERENCE: 9342-028
;  CURRENT APPLICATION NUMBER: US/09/938,689
;  CURRENT FILING DATE:  2001-08-23
;  PRIOR APPLICATION NUMBER: 09/651,361
;  PRIOR FILING DATE: 2000-08-30
;  PRIOR APPLICATION NUMBER: 60/151,688
;  PRIOR FILING DATE: 1999-08-31
;  NUMBER OF SEQ ID NOS: 72
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 62
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: PCR Primer
US-09-938-689-62

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 6.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        941 TGCCTATGCTGATGCTG 957
              |||  ||||||||||||
Db         18 TGCAGATGCTGATGCTG 2


RESULT 676
US-09-925-388-15
; Sequence 15, Application US/09925388
; Publication No. US20030054523A1
; GENERAL INFORMATION:
;  APPLICANT: HOSHINO, Tatsuo
;  APPLICANT:  OJIMA, Kazuyuki
;  APPLICANT:  SETOGUCHI, Yutaka
;  TITLE OF INVENTION: ISOPRENOID PRODUCTION
;  FILE REFERENCE: ISOPRENOID PRODUCTION
;  CURRENT APPLICATION NUMBER: US/09/925,388
;  CURRENT FILING DATE:  2001-08-09
;  PRIOR APPLICATION NUMBER: 09/306,595
;  PRIOR FILING DATE: 1999-05-06
;  NUMBER OF SEQ ID NOS: 43
```

```
 SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 15
  LENGTH: 18
  TYPE: DNA
  ORGANISM: Artificial Sequence
  FEATURE:
  OTHER INFORMATION: Description of Artificial Sequence: Sense primer
  OTHER INFORMATION: for cloning of small EcoRI portion of HMC gene
3-09-925-388-15

 Query Match             0.7%;  Score 13.8;  DB 1;  Length 18;
 Best Local Similarity   88.2%;  Pred. No. 6.5e+02;
 Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y       1466 AGAAGCCAGAAGCCAAA 1482
             ||||||||||||  |||
o          1 AGAAGCCAGAAGAGAAA 17


ESULT 677
3-09-913-514-20
 Sequence 20, Application US/09913514
 Publication No. US20030082210A1
 GENERAL INFORMATION:
  APPLICANT: GOMI, Yasuyuki
  APPLICANT:  SUNAMACHI, Hiroki
  APPLICANT:  TAKAHASHI, Michiaki
  APPLICANT:  YAMANISHI, Koichi
  TITLE OF INVENTION: Method for Quality Control of an Attenuated Varicella Live Vaccin
  FILE REFERENCE: 0216-0454P
  CURRENT APPLICATION NUMBER: US/09/913,514
  CURRENT FILING DATE:  2001-12-07
  PRIOR APPLICATION NUMBER: PCT/JP01/00678
  PRIOR FILING DATE: 2001-01-31
  PRIOR APPLICATION NUMBER: JP 2000-62734
  PRIOR FILING DATE: 2000-01-31
  NUMBER OF SEQ ID NOS: 42
  SOFTWARE: PatentIn version 3.1
 SEQ ID NO 20
   LENGTH: 18
   TYPE: DNA
   ORGANISM: Varicella virus
3-09-913-514-20

 Query Match             0.7%;  Score 13.8;  DB 1;  Length 18;
 Best Local Similarity   88.2%;  Pred. No. 6.5e+02;
 Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y        751 GACGGGATTGATGACGA 767
             ||||  ||||||  |||||
b          2 GACGCGATTGACGACGA 18


ESULT 678
S-09-943-944E-159/c
 Sequence 159, Application US/09943944E
 Publication No. US20040014036A1
 GENERAL INFORMATION:
  APPLICANT: Ptashne, et al.,
  TITLE OF INVENTION: Transcriptional Activation System, Activators, and Uses
  TITLE OF INVENTION:  Therefor
  FILE REFERENCE: 0342941-0065
  CURRENT APPLICATION NUMBER: US/09/943,944E
  CURRENT FILING DATE:  2001-08-31
  NUMBER OF SEQ ID NOS: 238
  SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 159
   LENGTH: 18
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence:Random
   OTHER INFORMATION: nucleotide sequences.
US-09-943-944E-159

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 6.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1474 GAAGCCAAAGGGGTCAA 1490
              || ||| ||||||||||
Db         18 GATGCCCAAGGGGTCAA 2


RESULT 679
US-09-753-169A-11/c
; Sequence 11, Application US/09753169A
; Publication No. US20030017196A1
; GENERAL INFORMATION:
;  APPLICANT: The Trustees of Columbia University In The City of New York
;  TITLE OF INVENTION: OLIGONUCLEOTIDE INHIBITORS OF BCL-XL
;  FILE REFERENCE: 0575/55669-A-PCT-US
;  CURRENT APPLICATION NUMBER: US/09/753,169A
;  CURRENT FILING DATE:  2001-01-02
;  PRIOR APPLICATION NUMBER: 09/109,614
;  PRIOR FILING DATE: 1998-07-02
;  PRIOR APPLICATION NUMBER: PCT/US99/15250
;  PRIOR FILING DATE: 1999-07-02
;  NUMBER OF SEQ ID NOS: 38
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE
US-09-753-169A-11

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 6.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1762 GGATACTTTTATGCAAC 1778
              |||||||||| || |||
Db         18 GGATACTTTTGTGGAAC 2


RESULT 680
US-09-753-169A-30/c
; Sequence 30, Application US/09753169A
; Publication No. US20030017196A1
; GENERAL INFORMATION:
;  APPLICANT: The Trustees of Columbia University In The City of New York
;  TITLE OF INVENTION: OLIGONUCLEOTIDE INHIBITORS OF BCL-XL
;  FILE REFERENCE: 0575/55669-A-PCT-US
;  CURRENT APPLICATION NUMBER: US/09/753,169A
;  CURRENT FILING DATE:  2001-01-02
;  PRIOR APPLICATION NUMBER: 09/109,614
;  PRIOR FILING DATE: 1998-07-02
;  PRIOR APPLICATION NUMBER: PCT/US99/15250
;  PRIOR FILING DATE: 1999-07-02
;  NUMBER OF SEQ ID NOS: 38
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE
;   FEATURE:
;   NAME/KEY: misc_binding
;   LOCATION: (1)..(4)
;   OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
;   FEATURE:
;   NAME/KEY: misc_binding
;   LOCATION: (5)..(6)
```

```
;   OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
;   FEATURE:
;   NAME/KEY: misc_binding
;   LOCATION: (8)..(9)
;   OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
;   FEATURE:
;   NAME/KEY: misc_binding
;   LOCATION: (14)..(18)
;   OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
;   FEATURE:
;   NAME/KEY: modified_base
;   LOCATION: (3)..(4)
;   OTHER INFORMATION: PROPYNYL dT
;   FEATURE:
;   NAME/KEY: modified_base
;   LOCATION: (5)..(6)
;   OTHER INFORMATION: PROPYNYL dC
;   FEATURE:
;   NAME/KEY: modified_base
;   LOCATION: (8)..(8)
;   OTHER INFORMATION: PROPYNYL dC
;   FEATURE:
;   NAME/KEY: modified_base
;   LOCATION: (14)..(14)
;   OTHER INFORMATION: PROPYNYL dT
;   FEATURE:
;   NAME/KEY: modified_base
;   LOCATION: (16)..(16)
;   OTHER INFORMATION: PROPYNYL dT
;   FEATURE:
;   NAME/KEY: modified_base
;   LOCATION: (17)..(17)
;   OTHER INFORMATION: PROPYNYL dC
US-09-753-169A-30

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 6.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1762 GGATACTTTTATGCAAC 1778
              ||||||||||  || |||
Db         18 GGATACTTTTGTGGAAC 2


RESULT 681
US-09-753-169A-31/c
; Sequence 31, Application US/09753169A
; Publication No. US20030017196A1
; GENERAL INFORMATION:
;  APPLICANT: The Trustees of Columbia University In The City of New York
;  TITLE OF INVENTION: OLIGONUCLEOTIDE INHIBITORS OF BCL-XL
;  FILE REFERENCE: 0575/55669-A-PCT-US
;  CURRENT APPLICATION NUMBER: US/09/753,169A
;  CURRENT FILING DATE:  2001-01-02
;  PRIOR APPLICATION NUMBER: 09/109,614
;  PRIOR FILING DATE: 1998-07-02
;  PRIOR APPLICATION NUMBER: PCT/US99/15250
;  PRIOR FILING DATE: 1999-07-02
;  NUMBER OF SEQ ID NOS: 38
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 31
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE
;   FEATURE:
;   NAME/KEY: misc_binding
;   LOCATION: (1)..(4)
;   OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
;   FEATURE:
;   NAME/KEY: misc_binding
;   LOCATION: (5)..(6)
;   OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
;   FEATURE:
;   NAME/KEY: misc_binding
;   LOCATION: (8)..(9)
;   OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
;   FEATURE:
;   NAME/KEY: misc_binding
;   LOCATION: (14)..(18)
;   OTHER INFORMATION: PHOSPHOROTHIOATE LINKAGE
US-09-753-169A-31

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 6.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1762 GGATACTTTTATGCAAC 1778
              ||||||||||  || |||
Db         18 GGATACTTTTGTGGAAC 2


RESULT 682
US-10-067-125-135
; Sequence 135, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda F.
;  APPLICANT:  Cowsert, Lex M.
;  APPLICANT:  Monia, Brett P.
;  APPLICANT:  Xu, Xiaoxing S.
;  TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
;  FILE REFERENCE: ISPH-0321
;  CURRENT APPLICATION NUMBER: US/10/067,125
;  CURRENT FILING DATE:  2002-02-04
;  PRIOR APPLICATION NUMBER: 09/167,109
;  PRIOR FILING DATE: 1998-10-06
;  NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 135
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: antisense sequence
US-10-067-125-135

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 6.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1218 TGAGGACGCCATCCCTG 1234
              ||||  |||||||| |||
Db          2 TGAGCACGCCATCACTG 18


RESULT 683
US-10-431-846-15
; Sequence 15, Application US/10431846
; Publication No. US20030190734A1
; GENERAL INFORMATION:
;  APPLICANT: HOSHINO, Tatsuo
;  APPLICANT:  OJIMA, Kazuyuki
;  APPLICANT:  SETOGUCHI, Yutaka
;  TITLE OF INVENTION: ISOPRENOID PRODUCTION
;  FILE REFERENCE: ISOPRENOID PRODUCTION
;  CURRENT APPLICATION NUMBER: US/10/431,846
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: US/09/925,388
;  PRIOR FILING DATE: 2001-08-09
;  PRIOR APPLICATION NUMBER: 09/306,595
;  PRIOR FILING DATE: 1999-05-06
;  NUMBER OF SEQ ID NOS: 43
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
;   LENGTH: 18
```

```
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence: Sense primer
   OTHER INFORMATION: for cloning of small EcoRI portion of HMC gene
3-10-431-846-15

 Query Match             0.7%;  Score 13.8;  DB 1;  Length 18;
 Best Local Similarity   88.2%;  Pred. No. 6.5e+02;
 Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Y       1466 AGAAGCCAGAAGCCAAA 1482
             ||||||||||||  |||
b          1 AGAAGCCAGAAGAGAAA 17


ESULT 684
S-10-388-263-264/c
 Sequence 264, Application US/10388263
 Publication No. US20030228597A1
 GENERAL INFORMATION:
  APPLICANT: Cowsert, Lex M.
  APPLICANT:  Baker, Brenda F.
  APPLICANT:  McNeil, John
  APPLICANT:  Freier, Susan M.
  APPLICANT:  Sasmor, Henri M.
  APPLICANT:  Brooks, Douglas G.
  APPLICANT:  Ohashi, Cara
  APPLICANT:  Wyatt, Jacqueline R.
  APPLICANT:  Borchers, Alexander
  APPLICANT:  Vickers, Timothy A.
  TITLE OF INVENTION: IDENTIFICATION OF GENETIC TARGETS FOR
  TITLE OF INVENTION:  MODULATION BY OLIGONUCLEOTIDES AND
  TITLE OF INVENTION:  GENERATION OF OLIGONUCLEOTIDES FOR GENE MODULATION
  FILE REFERENCE: ISIS-4503
  CURRENT APPLICATION NUMBER: US/10/388,263
  CURRENT FILING DATE:  2003-03-12
  NUMBER OF SEQ ID NOS: 947
  SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 264
   LENGTH: 18
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
IS-10-388-263-264

 Query Match             0.7%;  Score 13.8;  DB 1;  Length 18;
 Best Local Similarity   88.2%;  Pred. No. 6.5e+02;
 Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       321 GTACAGCAAGCAGATGC 337
             || || ||||||||||
Db        18 GTTCATCAAGCAGATGC 2


RESULT 685
IS-10-349-143-3943/c
; Sequence 3943, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
  APPLICANT: Cohen, Daniel
; APPLICANT:  Blumenfeld, Marta
; APPLICANT:  Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/10/349,143
; CURRENT FILING DATE:  2003-01-21
; PRIOR APPLICATION NUMBER: US/09/422,978
; PRIOR FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 3943
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: upstream amplification primer 99-1217 for SEQ 9,
US-10-349-143-3943

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 6.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       907 GCCAAGTGTGTGGAATT 923
             | ||||||||||||| |
Db        18 GACAAGTGTGTGGAAAT 2


RESULT 686
US-10-348-165-2/c
; Sequence 2, Application US/10348165
; Publication No. US20040142102A1
; GENERAL INFORMATION:
;  APPLICANT: Georgescu, Cecilia
;  APPLICANT:  Banerjee, Sukanta
;  APPLICANT:  Seul, Michael
;  TITLE OF INVENTION: METHOD FOR CONTROLLING SOLUTE LOADING OF
;  TITLE OF INVENTION:  POLYMER MICROPARTICLES
;  FILE REFERENCE: 42970-2
;  CURRENT APPLICATION NUMBER: US/10/348,165
;  CURRENT FILING DATE:  2003-01-21
;  NUMBER OF SEQ ID NOS: 3
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: complement of SEQ ID NO: 1
US-10-348-165-2

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 6.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy      1865 GTCTTCAAGGATCTCCT 1881
             |||||| ||||| ||||
Db        18 GTCTTCCAGGATGTCCT 2


RESULT 687
US-10-682-845-35
; Sequence 35, Application US/10682845
; Publication No. US20040162411A1
; GENERAL INFORMATION:
;  APPLICANT: Lanzavecchia, Antonio
;  TITLE OF INVENTION: Potent T cell modulating molecules
;  FILE REFERENCE: G2296 US
;  CURRENT APPLICATION NUMBER: US/10/682,845
;  CURRENT FILING DATE:  2003-10-10
;  PRIOR APPLICATION NUMBER: US 60/419,149
;  PRIOR FILING DATE: 2002-10-18
;  PRIOR APPLICATION NUMBER: CA 2,403,313
;  PRIOR FILING DATE: 2002-10-11
;  NUMBER OF SEQ ID NOS: 89
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 35
;   LENGTH: 18
```

```
;   TYPE: DNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   OTHER INFORMATION: M76 mutant
US-10-682-845-35

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 6.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        724 TATTATGCTGTTAACTA 740
              ||||||| || |||||||
Db          1 TATTATGATGATAACTA 17


RESULT 688
US-09-018-125-9
; Sequence 9, Application US/09018125A
; Patent No. US20010007902A1
; GENERAL INFORMATION:
;  APPLICANT: Silverman, Robert H.
;  APPLICANT: Kondo, Seiji
;  APPLICANT: Cowell, John K.
;  APPLICANT: Li, Guiying
;  APPLICANT: Torrence, Paul F.
;  TITLE OF INVENTION: RNASE L ACTIVATORS AND ANTISENSE OLIGONUCLEOTIDES
;  TITLE OF INVENTION: EFFECTIVE TO TREAT TELOMERASE-EXPRESSING MALIGNANCIES
;  FILE REFERENCE: 8656-022
;  CURRENT APPLICATION NUMBER: US/09/018,125A
;  CURRENT FILING DATE: 1999-02-03
;  EARLIER APPLICATION NUMBER: 60/044,507
;  EARLIER FILING DATE: 1997-04-21
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: oligonucleotide
US-09-018-125-9

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 7e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1192 CCTGGGGTCCAAATGCA 1208
              || ||||| ||||||||
Db          2 CCCGGGGTGCAAATGCA 18


RESULT 689
US-09-864-636A-2484/c
; Sequence 2484, Application US/09864636A
; Publication No. US20030104378A1
; GENERAL INFORMATION:
;  APPLICANT: Third Wave Technologies
;  APPLICANT:  Allwai, Hatim
;  APPLICANT:  Bartholomay, Christian
;  APPLICANT:  Chehak, LuAnne
;  TITLE OF INVENTION: Detection of RNA Sequences
;  FILE REFERENCE: FORS-04944
;  CURRENT APPLICATION NUMBER: US/09/864,636A
;  CURRENT FILING DATE:  2002-10-15
;  NUMBER OF SEQ ID NOS: 2640
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2484
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-09-864-636A-2484

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 7e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1981 CCTCTGTCTGTCTTCTC 1997
              ||||||||| ||||| |
Db         17 CCTCTGTCTTTCTTCGC 1


RESULT 690
US-09-864-426A-2484/c
; Sequence 2484, Application US/09864426A
; Publication No. US20040018489A1
; GENERAL INFORMATION:
;  APPLICANT: Third Wave Technologies
;  APPLICANT:  Ma, Wu Po
;  APPLICANT:  Lyamichev, Victor
;  APPLICANT:  Saiser , Michael
;  TITLE OF INVENTION: Enzymes for the Detection of RNA Sequences
;  FILE REFERENCE: FORS-04946
;  CURRENT APPLICATION NUMBER: US/09/864,426A
;  CURRENT FILING DATE:  2001-05-24
;  NUMBER OF SEQ ID NOS: 2640
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2484
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-09-864-426A-2484

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 7e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1981 CCTCTGTCTGTCTTCTC 1997
              ||||||||| ||||| |
Db         17 CCTCTGTCTTTCTTCGC 1


RESULT 691
US-10-282-174-169
; Sequence 169, Application US/10282174
; Publication No. US20030224380A1
; GENERAL INFORMATION:
;  APPLICANT: Becker, Kenneth David
;  APPLICANT:  Velicelebi, Gonul
;  APPLICANT:  Elliot, Kathryn J.
;  APPLICANT:  Wang, Xin
;  APPLICANT:  Tanzi, Rudolph E.
;  APPLICANT:  Bertram, Lars
;  APPLICANT:  Saunders, Aleister J.
;  APPLICANT:  Mullin, Kristina M.
;  APPLICANT:  Sampson, Andrew Johnson
;  APPLICANT:  Blacker, Deborah Lynne
;  TITLE OF INVENTION: GENES AND POLYMORPHISMS ON CHROMOSOME 10
;  TITLE OF INVENTION:  ASSOCIATED WITH ALZHEIMER'S DISEASE AND OTHER
;  TITLE OF INVENTION:  NEURODEGENERATIVE DISEASES
;  FILE REFERENCE: 37481-3308
;  CURRENT APPLICATION NUMBER: US/10/282,174
;  CURRENT FILING DATE:  2002-10-25
;  PRIOR APPLICATION NUMBER: US 60/339,525
;  PRIOR FILING DATE: 2001-10-25
;  PRIOR APPLICATION NUMBER: US 60/338,010
;  PRIOR FILING DATE: 2001-11-08
;  PRIOR APPLICATION NUMBER: US 60/336,929
;  PRIOR FILING DATE: 2001-11-08
;  PRIOR APPLICATION NUMBER: US 60/338,363
;  PRIOR FILING DATE: 2001-11-09
;  PRIOR APPLICATION NUMBER: US 60/337,052
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  PRIOR FILING DATE: 2001-12-04
  PRIOR APPLICATION NUMBER: US 60/368,919
  PRIOR FILING DATE: 2002-03-28
  NUMBER OF SEQ ID NOS: 564
  SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 169
    LENGTH: 19
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Primer
S-10-282-174-169

 Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
 Best Local Similarity   88.2%;  Pred. No. 7e+02;
 Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y       1948 CTGGCCTCAAGTGAGCC 1964
             ||| |||||||||| ||
b          1 CTGACCTCAAGTGATCC 17


ESULT 692
S-10-032-495-10/c
 Sequence 10, Application US/10032495
 Publication No. US20020155601A1
 GENERAL INFORMATION:
  APPLICANT: YAN, WEN LIANG
  TITLE OF INVENTION: METHOD FOR PRODUCING A POPULATION OF HOMOZYGOUS STEM
  TITLE OF INVENTION:  CELLS HAVING A PRE-SELECTED IMMUNOTYPE AND/OR GENOTYPE,
  TITLE OF INVENTION:  CELLS SUITABLE FOR TRANSPLANT DERIVED THEREFROM, AND
  TITLE OF INVENTION:  MATERIALS AND METHODS USING SAME
  FILE REFERENCE: 0249-0002US
  CURRENT APPLICATION NUMBER: US/10/032,495
  CURRENT FILING DATE:  2002-01-02
  PRIOR APPLICATION NUMBER: 60/258,881
  PRIOR FILING DATE: 2001-01-02
  NUMBER OF SEQ ID NOS: 86
  SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 10
   LENGTH: 19
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence: Probe
S-10-032-495-10

 Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
 Best Local Similarity   88.2%;  Pred. No. 7e+02;
 Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y       1491 GGAGGAGGTCAAGTTGG 1507
             ||||||||| ||||| |
b         19 GGAGGAGGTTAAGTTTG 3


ESULT 693
S-10-071-179-106
 Sequence 106, Application US/10071179
 Publication No. US20030108882A1
 GENERAL INFORMATION:
  APPLICANT: Bougueleret, Lydie
  TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBP-7)
  TITLE OF INVENTION:  AND POLYMORPHIC MARKERS ASSOCIATED WITH SAID NUCLEIC ACID.
  FILE REFERENCE: GENSET.031A
; CURRENT APPLICATION NUMBER: US/10/071,179
; CURRENT FILING DATE:  2002-02-07
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/345,882
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-06-30
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/091,315
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/111,909
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-10
;  NUMBER OF SEQ ID NOS: 140
;  SOFTWARE: Patent.pm
; SEQ ID NO 106
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: microsequencing oligo for 5-130-257.mis1
US-10-071-179-106

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 7e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1402 GATGAAAAAGAGAAAGA 1418
              |||||||||||  || ||
Db          1 GATGAAAAAGAAAAGGA 17


RESULT 694
US-10-126-704-106
; Sequence 106, Application US/10126704
; Publication No. US20030170647A1
; GENERAL INFORMATION:
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBP-7)
;  TITLE OF INVENTION:  AND POLYMORPHIC MARKERS ASSOCIATED WITH SAID NUCLEIC ACID.
;  FILE REFERENCE: 44.US5.DIV
;  CURRENT APPLICATION NUMBER: US/10/126,704
;  CURRENT FILING DATE:  2002-04-20
;  PRIOR APPLICATION NUMBER: US 60/091,315
;  PRIOR FILING DATE: 1998-06-30
;  PRIOR APPLICATION NUMBER: US 60/111,909
;  PRIOR FILING DATE: 1998-12-10
;  NUMBER OF SEQ ID NOS: 140
;  SOFTWARE: Patent.pm
; SEQ ID NO 106
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: microsequencing oligo for 5-130-257.mis1
US-10-126-704-106

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 7e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1402 GATGAAAAAGAGAAAGA 1418
              |||||||||||  || ||
Db          1 GATGAAAAAGAAAAGGA 17


RESULT 695
US-10-251-117-133
; Sequence 133, Application US/10251117
; Publication No. US20030170891A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor
;  TITLE OF INVENTION:  Gene Expression Using Short Interfering RNA
;  FILE REFERENCE: 900/042 (MBHB02-468-A)
;  CURRENT APPLICATION NUMBER: US/10/251,117
;  CURRENT FILING DATE:  2003-02-24
;  PRIOR APPLICATION NUMBER: US 60/393,924
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: US 10/163,552
;  PRIOR FILING DATE: 2002-06-06
```

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;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 09/916,466
;  PRIOR FILING DATE: 2001-07-25
;  PRIOR APPLICATION NUMBER: US 60/296,249
;  PRIOR FILING DATE: 2001-06-06
;  NUMBER OF SEQ ID NOS: 1213
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 133
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense r
US-10-251-117-133

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   70.6%;  Pred. No. 7e+02;
  Matches   12;  Conservative    3;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1268 ACAAGCGCATCTCGATC 1284
              ||||| ||| :|: ||:|
Db          2 ACAAGGGCAUCUGGAUC 18


RESULT 696
US-10-251-117-382/c
; Sequence 382, Application US/10251117
; Publication No. US20030170891A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor R
;  TITLE OF INVENTION:  Gene Expression Using Short Interfering RNA
;  FILE REFERENCE: 900/042 (MBHB02-468-A)
;  CURRENT APPLICATION NUMBER: US/10/251,117
;  CURRENT FILING DATE:  2003-02-24
;  PRIOR APPLICATION NUMBER: US 60/393,924
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: US 10/163,552
;  PRIOR FILING DATE: 2002-06-06
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 09/916,466
;  PRIOR FILING DATE: 2001-07-25
;  PRIOR APPLICATION NUMBER: US 60/296,249
;  PRIOR FILING DATE: 2001-06-06
;  NUMBER OF SEQ ID NOS: 1213
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 382
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
US-10-251-117-382

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 7e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1268 ACAAGCGCATCTCGATC 1284
              ||||| |||||| ||||
Db         18 ACAAGGGCATCTGGATC 2


RESULT 697
US-10-225-023-297
; Sequence 297, Application US/10225023
; Publication No. US20030175950A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Usin
;  TITLE OF INVENTION:  Interfering RNA
;  FILE REFERENCE: 400/054 (MBHB01-665-B)
;  CURRENT APPLICATION NUMBER: US/10/225,023
;  CURRENT FILING DATE:  2003-01-06
;  PRIOR APPLICATION NUMBER: US 60/398,036
;  PRIOR FILING DATE: 2002-07-23
;  PRIOR APPLICATION NUMBER: US 60/294,140
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 10/157,580
;  PRIOR FILING DATE: 2002-05-29
;  NUMBER OF SEQ ID NOS: 1494
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 297
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense r
US-10-225-023-297

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 7e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1446 AGAGGAGAAAACCAAGG 1462
              ||| |||| ||||||||
Db          2 AGAUGAGAGAACCAAGG 18


RESULT 698
US-10-225-023-345
; Sequence 345, Application US/10225023
; Publication No. US20030175950A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Usin
;  TITLE OF INVENTION:  Interfering RNA
;  FILE REFERENCE: 400/054 (MBHB01-665-B)
;  CURRENT APPLICATION NUMBER: US/10/225,023
;  CURRENT FILING DATE:  2003-01-06
;  PRIOR APPLICATION NUMBER: US 60/398,036
;  PRIOR FILING DATE: 2002-07-23
;  PRIOR APPLICATION NUMBER: US 60/294,140
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 10/157,580
;  PRIOR FILING DATE: 2002-05-29
;  NUMBER OF SEQ ID NOS: 1494
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 345
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense r
US-10-225-023-345

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   76.5%;  Pred. No. 7e+02;
  Matches   13;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        247 GAGGAGATGACCAAGTA 263
              ||||| |:|| ||||:|
Db          1 GAGGAAAUGAACAAGUA 17


RESULT 699
US-10-225-023-373
; Sequence 373, Application US/10225023
; Publication No. US20030175950A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
```

```
  APPLICANT:  McSwiggen, James
  TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Using
  TITLE OF INVENTION:  Interfering RNA
  FILE REFERENCE: 400/054 (MBHB01-665-B)
  CURRENT APPLICATION NUMBER: US/10/225,023
  CURRENT FILING DATE:  2003-01-06
  PRIOR APPLICATION NUMBER: US 60/398,036
  PRIOR FILING DATE: 2002-07-23
  PRIOR APPLICATION NUMBER: US 60/294,140
  PRIOR FILING DATE: 2002-05-29
  PRIOR APPLICATION NUMBER: US 10/157,580
  PRIOR FILING DATE: 2002-05-29
  NUMBER OF SEQ ID NOS: 1494
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 373
    LENGTH: 19
    TYPE: RNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense r
S-10-225-023-373

 Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
 Best Local Similarity   76.5%;  Pred. No. 7e+02;
 Matches   13;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

y         247 GAGGAGATGACCAAGTA 263
              ||||| |:|| ||||:|
b           3 GAGGAAAUGAACAAGUA 19


ESULT 700
S-10-225-023-399
 Sequence 399, Application US/10225023
 Publication No. US20030175950A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  McSwiggen, James
  TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Using
  TITLE OF INVENTION:  Interfering RNA
  FILE REFERENCE: 400/054 (MBHB01-665-B)
  CURRENT APPLICATION NUMBER: US/10/225,023
  CURRENT FILING DATE:  2003-01-06
  PRIOR APPLICATION NUMBER: US 60/398,036
  PRIOR FILING DATE: 2002-07-23
  PRIOR APPLICATION NUMBER: US 60/294,140
  PRIOR FILING DATE: 2002-05-29
  PRIOR APPLICATION NUMBER: US 10/157,580
  PRIOR FILING DATE: 2002-05-29
  NUMBER OF SEQ ID NOS: 1494
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 399
    LENGTH: 19
    TYPE: RNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense r
JS-10-225-023-399

 Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
 Best Local Similarity   76.5%;  Pred. No. 7e+02;
 Matches   13;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        247 GAGGAGATGACCAAGTA 263
              ||||| |:|| ||||:|
Db          2 GAGGAAAUGAACAAGUA 18


RESULT 701
JS-10-225-023-613
; Sequence 613, Application US/10225023
; Publication No. US20030175950A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT:  McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Using
; TITLE OF INVENTION:  Interfering RNA
; FILE REFERENCE: 400/054 (MBHB01-665-B)
; CURRENT APPLICATION NUMBER: US/10/225,023
; CURRENT FILING DATE:  2003-01-06
; PRIOR APPLICATION NUMBER: US 60/398,036
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: US 60/294,140
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 10/157,580
; PRIOR FILING DATE: 2002-05-29
; NUMBER OF SEQ ID NOS: 1494
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 613
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense r
US-10-225-023-613

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 7e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1446 AGAGGAGAAAACCAAGG 1462
              ||| |||| ||||||||
Db          3 AGAUGAGAGAACCAAGG 19


RESULT 702
US-10-225-023-1035/c
; Sequence 1035, Application US/10225023
; Publication No. US20030175950A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT:  McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Usinc
; TITLE OF INVENTION:  Interfering RNA
; FILE REFERENCE: 400/054 (MBHB01-665-B)
; CURRENT APPLICATION NUMBER: US/10/225,023
; CURRENT FILING DATE:  2003-01-06
; PRIOR APPLICATION NUMBER: US 60/398,036
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: US 60/294,140
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 10/157,580
; PRIOR FILING DATE: 2002-05-29
; NUMBER OF SEQ ID NOS: 1494
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1035
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
US-10-225-023-1035

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 7e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1446 AGAGGAGAAAACCAAGG 1462
              ||| |||| ||||||||
Db         18 AGATGAGAGAACCAAGG 2


RESULT 703
US-10-225-023-1083/c
; Sequence 1083, Application US/10225023
; Publication No. US20030175950A1
```

```
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Using
;  TITLE OF INVENTION:  Interfering RNA
;  FILE REFERENCE: 400/054 (MBHB01-665-B)
;  CURRENT APPLICATION NUMBER: US/10/225,023
;  CURRENT FILING DATE:  2003-01-06
;  PRIOR APPLICATION NUMBER: US 60/398,036
;  PRIOR FILING DATE: 2002-07-23
;  PRIOR APPLICATION NUMBER: US 60/294,140
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 10/157,580
;  PRIOR FILING DATE: 2002-05-29
;  NUMBER OF SEQ ID NOS: 1494
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1083
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
US-10-225-023-1083

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 7e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        247 GAGGAGATGACCAAGTA 263
              ||||| |||| ||||||
Db         19 GAGGAAATGAACAAGTA 3


RESULT 704
US-10-225-023-1111/c
; Sequence 1111, Application US/10225023
; Publication No. US20030175950A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Using
;  TITLE OF INVENTION:  Interfering RNA
;  FILE REFERENCE: 400/054 (MBHB01-665-B)
;  CURRENT APPLICATION NUMBER: US/10/225,023
;  CURRENT FILING DATE:  2003-01-06
;  PRIOR APPLICATION NUMBER: US 60/398,036
;  PRIOR FILING DATE: 2002-07-23
;  PRIOR APPLICATION NUMBER: US 60/294,140
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 10/157,580
;  PRIOR FILING DATE: 2002-05-29
;  NUMBER OF SEQ ID NOS: 1494
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1111
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
US-10-225-023-1111

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 7e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        247 GAGGAGATGACCAAGTA 263
              ||||| |||| ||||||
Db         17 GAGGAAATGAACAAGTA 1


RESULT 705
US-10-225-023-1137/c
; Sequence 1137, Application US/10225023
; Publication No. US20030175950A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Using
;  TITLE OF INVENTION:  Interfering RNA
;  FILE REFERENCE: 400/054 (MBHB01-665-B)
;  CURRENT APPLICATION NUMBER: US/10/225,023
;  CURRENT FILING DATE:  2003-01-06
;  PRIOR APPLICATION NUMBER: US 60/398,036
;  PRIOR FILING DATE: 2002-07-23
;  PRIOR APPLICATION NUMBER: US 60/294,140
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 10/157,580
;  PRIOR FILING DATE: 2002-05-29
;  NUMBER OF SEQ ID NOS: 1494
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1137
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
US-10-225-023-1137

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 7e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        247 GAGGAGATGACCAAGTA 263
              ||||| |||| ||||||
Db         18 GAGGAAATGAACAAGTA 2


RESULT 706
US-10-225-023-1351/c
; Sequence 1351, Application US/10225023
; Publication No. US20030175950A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Using
;  TITLE OF INVENTION:  Interfering RNA
;  FILE REFERENCE: 400/054 (MBHB01-665-B)
;  CURRENT APPLICATION NUMBER: US/10/225,023
;  CURRENT FILING DATE:  2003-01-06
;  PRIOR APPLICATION NUMBER: US 60/398,036
;  PRIOR FILING DATE: 2002-07-23
;  PRIOR APPLICATION NUMBER: US 60/294,140
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 10/157,580
;  PRIOR FILING DATE: 2002-05-29
;  NUMBER OF SEQ ID NOS: 1494
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1351
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
US-10-225-023-1351

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 7e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1446 AGAGGAGAAAACCAAGG 1462
              ||| |||| ||||||||
Db         17 AGATGAGAGAACCAAGG 1


RESULT 707
US-10-367-438-204/c
```

```
Sequence 204, Application US/10367438
Publication No. US20030180773A1
  GENERAL INFORMATION:
       APPLICANT: COHEN, Daniel
                  BLUMENFELD, Marta
                  TCHOUMAKOV, Ilia
       TITLE OF INVENTION: Biallelic markers for use in
                           constructing a high density disequilibrium map of
                           the human genome.
       NUMBER OF SEQUENCES: 336
       CORRESPONDENCE ADDRESS:
            ADDRESSEE: Knobbe, Martens, Olson & Bear
            STREET: 550 West C Street
            CITY: San Diego
            STATE: California
            COUNTRY: USA
            ZIP: 92101
       COMPUTER READABLE FORM:
            MEDIUM TYPE: Floppy Disk
            COMPUTER: IBM PC compatible
            OPERATING SYSTEM: Win95
            SOFTWARE: Word
       CURRENT APPLICATION DATA:
            APPLICATION NUMBER: US/10/367,438
            FILING DATE: 14-Feb-2003
       PRIOR APPLICATION DATA:
            APPLICATION NUMBER: US/09/463,075A
            FILING DATE: 14-Jan-2000
  INFORMATION FOR SEQ ID NO: 204:
       SEQUENCE CHARACTERISTICS:
            LENGTH: 19 base pairs
            TYPE: NUCLEIC ACID
            STRANDEDNESS: SINGLE
            TOPOLOGY: LINEAR
       MOLECULE TYPE: DNA
       ORIGINAL SOURCE:
            ORGANISM: Homo sapiens
       FEATURE:
            NAME/KEY:   microsequencing oligo 99-2240-281.mis1
            LOCATION:  1..19
       SEQUENCE DESCRIPTION: SEQ ID NO: 204:
S-10-367-438-204

 Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
 Best Local Similarity   88.2%;  Pred. No. 7e+02;
 Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y       1604 ATATAAAAATTTATTAA 1620
             | ||||||| |||||||
b         19 AAATAAAAAGTTATTAA 3


ESULT 708
S-10-084-839-2484/c
 Sequence 2484, Application US/10084839
 Publication No. US20030186238A1
 GENERAL INFORMATION:
  APPLICANT: Third Wave Technologies
  APPLICANT:  Allawi, Hatim
  APPLICANT:  Argue, Brad T.
  APPLICANT:  Bartholomay, Christian T.
  APPLICANT:  Chehak, LuAnne
  APPLICANT:  Curtis, Michelle L.
  APPLICANT:  Eis, Peggy S.
  APPLICANT:  Hall, Jeff G.
  APPLICANT:  Ip, Hon S.
  APPLICANT:  Ji, Lin
  APPLICANT:  Kaiser, Michael
  APPLICANT:  Kwiatkowski, Jr., Robert W.
  APPLICANT:  Lukowiak, Andrew A.
  APPLICANT:  Lyamichev, Victor
  APPLICANT:  Lymaicheva, Natalie E.
  APPLICANT:  Ma, WuPo
;  APPLICANT:  Neri, Bruce P.
;  APPLICANT:  Olson, Sarah M.
;  APPLICANT:  Olson-Munoz, Marilyn C.
;  APPLICANT:  Schaefer, James J.
;  APPLICANT:  Skrzypczynski, Zbigniew
;  APPLICANT:  Takova, Tsetska Y.
;  APPLICANT:  Thompson, Lisa C.
;  APPLICANT:  Vedvik, Kevin L.
;  TITLE OF INVENTION: RNA Detection Assays
;  FILE REFERENCE: FORS-06666
;  CURRENT APPLICATION NUMBER: US/10/084,839
;  CURRENT FILING DATE:  2002-02-26
;  NUMBER OF SEQ ID NOS: 4004
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2484
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-10-084-839-2484

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 7e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1981 CCTCTGTCTGTCTTCTC 1997
              ||||||||| ||||| |
Db         17 CCTCTGTCTTTCTTCGC 1


RESULT 709
US-10-244-647-436/c
; Sequence 436, Application US/10244647
; Publication No. US20030206887A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceutical, Inc.
;  APPLICANT:  Morrissey, David
;  APPLICANT:  McSwiggen, James
;  APPLICANT:  Beigelman, Leonid
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis B Virus (HBV) U
;  TITLE OF INVENTION:  Short Interfering Nucleic Acid (siNA)
;  FILE REFERENCE: 400/060 (MBHB02-1000)
;  CURRENT APPLICATION NUMBER: US/10/244,647
;  CURRENT FILING DATE:  2003-04-14
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 60/393,924
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: PCT US02/09187
;  PRIOR FILING DATE: 2002-03-26
;  PRIOR APPLICATION NUMBER: US 60/296,876
;  PRIOR FILING DATE: 2001-06-08
;  NUMBER OF SEQ ID NOS: 1524
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 436
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense r
US-10-244-647-436

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 7e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1466 AGAAGCCAGAAGCCAAA 1482
              ||||| |||||| ||||
Db         19 AGAAGTCAGAAGGCAAA 3


RESULT 710
```

```
US-10-244-647-454/c
; Sequence 454, Application US/10244647
; Publication No. US20030206887A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceutical, Inc.
;  APPLICANT:  Morrissey, David
;  APPLICANT:  McSwiggen, James
;  APPLICANT:  Beigelman, Leonid
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis B Virus (HBV) U
;  TITLE OF INVENTION:  Short Interfering Nucleic Acid (siNA)
;  FILE REFERENCE: 400/060 (MBHB02-1000)
;  CURRENT APPLICATION NUMBER: US/10/244,647
;  CURRENT FILING DATE:  2003-04-14
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 60/393,924
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: PCT US02/09187
;  PRIOR FILING DATE: 2002-03-26
;  PRIOR APPLICATION NUMBER: US 60/296,876
;  PRIOR FILING DATE: 2001-06-08
;  NUMBER OF SEQ ID NOS: 1524
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 454
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense r
US-10-244-647-454

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 7e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1466 AGAAGCCAGAAGCCAAA 1482
              ||||| |||||| ||||
Db         18 AGAAGTCAGAAGGCAAA 2


RESULT 711
US-10-244-647-508/c
; Sequence 508, Application US/10244647
; Publication No. US20030206887A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceutical, Inc.
;  APPLICANT:  Morrissey, David
;  APPLICANT:  McSwiggen, James
;  APPLICANT:  Beigelman, Leonid
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis B Virus (HBV) U
;  TITLE OF INVENTION:  Short Interfering Nucleic Acid (siNA)
;  FILE REFERENCE: 400/060 (MBHB02-1000)
;  CURRENT APPLICATION NUMBER: US/10/244,647
;  CURRENT FILING DATE:  2003-04-14
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 60/393,924
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: PCT US02/09187
;  PRIOR FILING DATE: 2002-03-26
;  PRIOR APPLICATION NUMBER: US 60/296,876
;  PRIOR FILING DATE: 2001-06-08
;  NUMBER OF SEQ ID NOS: 1524
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 508
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense r
US-10-244-647-508

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 7e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1466 AGAAGCCAGAAGCCAAA 1482
              ||||| |||||| ||||
Db         17 AGAAGTCAGAAGGCAAA 1


RESULT 712
US-10-244-647-1082
; Sequence 1082, Application US/10244647
; Publication No. US20030206887A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceutical, Inc.
;  APPLICANT:  Morrissey, David
;  APPLICANT:  McSwiggen, James
;  APPLICANT:  Beigelman, Leonid
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis B Virus (HBV) U
;  TITLE OF INVENTION:  Short Interfering Nucleic Acid (siNA)
;  FILE REFERENCE: 400/060 (MBHB02-1000)
;  CURRENT APPLICATION NUMBER: US/10/244,647
;  CURRENT FILING DATE:  2003-04-14
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 60/393,924
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: PCT US02/09187
;  PRIOR FILING DATE: 2002-03-26
;  PRIOR APPLICATION NUMBER: US 60/296,876
;  PRIOR FILING DATE: 2001-06-08
;  NUMBER OF SEQ ID NOS: 1524
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1082
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
US-10-244-647-1082

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 7e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1466 AGAAGCCAGAAGCCAAA 1482
              ||||| |||||| ||||
Db          1 AGAAGUCAGAAGGCAAA 17


RESULT 713
US-10-244-647-1100
; Sequence 1100, Application US/10244647
; Publication No. US20030206887A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceutical, Inc.
;  APPLICANT:  Morrissey, David
;  APPLICANT:  McSwiggen, James
;  APPLICANT:  Beigelman, Leonid
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis B Virus (HBV) U
;  TITLE OF INVENTION:  Short Interfering Nucleic Acid (siNA)
;  FILE REFERENCE: 400/060 (MBHB02-1000)
;  CURRENT APPLICATION NUMBER: US/10/244,647
;  CURRENT FILING DATE:  2003-04-14
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 60/393,924
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: PCT US02/09187
;  PRIOR FILING DATE: 2002-03-26
;  PRIOR APPLICATION NUMBER: US 60/296,876
;  PRIOR FILING DATE: 2001-06-08
;  NUMBER OF SEQ ID NOS: 1524
;  SOFTWARE: PatentIn version 3.0
```

SEQ ID NO 1100
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
S-10-244-647-1100

Query Match 0.7%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 7e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1466 AGAAGCCAGAAGCCAAA 1482
||||| |||||| ||||
Db 2 AGAAGUCAGAAGGCAAA 18

ESULT 714
S-10-244-647-1154
Sequence 1154, Application US/10244647
Publication No. US20030206887A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceutical, Inc.
APPLICANT: Morrissey, David
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis B Virus (HBV) U
TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
FILE REFERENCE: 400/060 (MBHB02-1000)
CURRENT APPLICATION NUMBER: US/10/244,647
CURRENT FILING DATE: 2003-04-14
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/393,924
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: PCT US02/09187
PRIOR FILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: US 60/296,876
PRIOR FILING DATE: 2001-06-08
NUMBER OF SEQ ID NOS: 1524
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1154
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
S-10-244-647-1154

Query Match 0.7%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 7e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1466 AGAAGCCAGAAGCCAAA 1482
||||| |||||| ||||
Db 3 AGAAGUCAGAAGGCAAA 19

ESULT 715
S-10-271-602B-57/c
Sequence 57, Application US/10271602B
Publication No. US20040002073A1
GENERAL INFORMATION:
APPLICANT: Alice Xiang Li
APPLICANT: Ghazala Hashmi
APPLICANT: Michael Seul
TITLE OF INVENTION: MULTIPLEXED ANALYSIS OF POLYMORPHIC LOCI
TITLE OF INVENTION: BY CONCURRENT INTERROGATION AND ENZYME-MEDIATED DETECTION
FILE REFERENCE: eMAP-US
CURRENT APPLICATION NUMBER: US/10/271,602B
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/329,427
PRIOR FILING DATE: 2001-10-14
; PRIOR APPLICATION NUMBER: 60/329,620
; PRIOR FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 60/329,428
; PRIOR FILING DATE: 2001-10-14
; PRIOR APPLICATION NUMBER: 60/329,619
; PRIOR FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 60/364,416
; PRIOR FILING DATE: 2002-03-14
; NUMBER OF SEQ ID NOS: 212
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 57
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Probe sequence derived from human genomic sequence
US-10-271-602B-57

Query Match 0.7%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 7e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1865 GTCTTCAAGGATCTCCT 1881
|||||| ||||| ||||
Db 18 GTCTTCCAGGATGTCCT 2

RESULT 716
US-10-271-602B-58/c
; Sequence 58, Application US/10271602B
; Publication No. US20040002073A1
; GENERAL INFORMATION:
; APPLICANT: Alice Xiang Li
; APPLICANT: Ghazala Hashmi
; APPLICANT: Michael Seul
; TITLE OF INVENTION: MULTIPLEXED ANALYSIS OF POLYMORPHIC LOCI
; TITLE OF INVENTION: BY CONCURRENT INTERROGATION AND ENZYME-MEDIATED DETECTION
; FILE REFERENCE: eMAP-US
; CURRENT APPLICATION NUMBER: US/10/271,602B
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/329,427
; PRIOR FILING DATE: 2001-10-14
; PRIOR APPLICATION NUMBER: 60/329,620
; PRIOR FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 60/329,428
; PRIOR FILING DATE: 2001-10-14
; PRIOR APPLICATION NUMBER: 60/329,619
; PRIOR FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 60/364,416
; PRIOR FILING DATE: 2002-03-14
; NUMBER OF SEQ ID NOS: 212
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 58
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Probe sequence derived from human genomic sequence
US-10-271-602B-58

Query Match 0.7%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 7e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1865 GTCTTCAAGGATCTCCT 1881
|||||| ||||| ||||
Db 18 GTCTTCCAGGATGTCCT 2

RESULT 717
US-10-349-143-6984/c
; Sequence 6984, Application US/10349143
; Publication No. US20040005584A1

```
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 6984
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-21880 for SEQ 3050,
US-10-349-143-6984

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 7e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        395 AGTTGTCTACTGGTGGT 411
              || |||||||||||| |
Db         17 AGGTGTCTACTGGTGAT 1


RESULT 718
US-10-349-143-7755/c
; Sequence 7755, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 7755
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-23824 for SEQ 3821,
US-10-349-143-7755

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 7e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1726 CTTTGAACCATAAAGGG 1742
              ||||||||||| || ||


Db         19 CTTTGAACCATTAACGG 3


RESULT 719
US-10-349-143-9216/c
; Sequence 9216, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 9216
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: downstream amplification primer 99-23204 for SEQ 1351, in comple
US-10-349-143-9216

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 7e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1460 AGGAGGAGAAGCCAGAA 1476
              |||||||||||  ||||
Db         17 AGGAGGAGAAGTAAGAA 1


RESULT 720
US-10-665-951-313
; Sequence 313, Application US/10665951
; Publication No. US20040138163A1
; GENERAL INFORMATION:
;  APPLICANT: Sirna Therapeutics, Inc.
;  APPLICANT:  McSwiggen, James
;  APPLICANT:  Beigelman, Leonid
;  APPLICANT:  Pavco, Pamela
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
;  TITLE OF INVENTION:  Growth Factor and Vascular Endothelial Growth Factor Receptor
;  TITLE OF INVENTION:  Gene Expression Using Short Interfering Nucleic Acid (siNA)
;  FILE REFERENCE: 400/131 (MBHB02-742-F)
;  CURRENT APPLICATION NUMBER: US/10/665,951
;  CURRENT FILING DATE:  2003-09-18
;  PRIOR APPLICATION NUMBER: US 10/664,668
;  PRIOR FILING DATE: 2003-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 03/05022
;  PRIOR FILING DATE: 2003-02-20
;  PRIOR APPLICATION NUMBER: US 60/399,348
;  PRIOR FILING DATE: 2002-07-29
;  PRIOR APPLICATION NUMBER: US 60/393,796
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: US 10/287,949
;  PRIOR FILING DATE: 2002-11-04
;  PRIOR APPLICATION NUMBER: US 10/306,747
;  PRIOR FILING DATE: 2002-11-27
;  PRIOR APPLICATION NUMBER: PCT/US 02/17674
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/358,580
```

PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 2455
SOFTWARE: PatentIn version 3.2
SEQ ID NO 313
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense r
S-10-665-951-313

Query Match 0.7%; Score 13.8; DB 1; Length 19;
Best Local Similarity 58.8%; Pred. No. 7e+02;
Matches 10; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

y 419 CAAGTGCTGTGAAACTT 435
||| :|| : |||||::
b 2 CAACUGCUUUGAAACUU 18

ESULT 721
S-10-665-951-343/c
Sequence 343, Application US/10665951
Publication No. US20040138163A1
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
APPLICANT: Pavco, Pamela
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
TITLE OF INVENTION: Growth Factor and Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (siNA)
FILE REFERENCE: 400/131 (MBHB02-742-F)
CURRENT APPLICATION NUMBER: US/10/665,951
CURRENT FILING DATE: 2003-09-18
PRIOR APPLICATION NUMBER: US 10/664,668
PRIOR FILING DATE: 2003-09-18
PRIOR APPLICATION NUMBER: PCT/US 03/05022
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/399,348
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: US 10/287,949
PRIOR FILING DATE: 2002-11-04
PRIOR APPLICATION NUMBER: US 10/306,747
PRIOR FILING DATE: 2002-11-27
PRIOR APPLICATION NUMBER: PCT/US 02/17674
PRIOR FILING DATE: 2002-05-29
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 2455
SOFTWARE: PatentIn version 3.2
SEQ ID NO 343
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense r
US-10-665-951-343

Query Match 0.7%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 7e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 349 GTTGGTGAGGACTGTCC 365
| ||| ||||||||||
Db 19 GGTGGAGAGGACTGTCC 3

RESULT 722
US-10-665-951-740/c
; Sequence 740, Application US/10665951
; Publication No. US20040138163A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: McSwiggen, James
; APPLICANT: Beigelman, Leonid
; APPLICANT: Pavco, Pamela
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
; TITLE OF INVENTION: Growth Factor and Vascular Endothelial Growth Factor Receptor
; TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (siNA)
; FILE REFERENCE: 400/131 (MBHB02-742-F)
; CURRENT APPLICATION NUMBER: US/10/665,951
; CURRENT FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: US 10/664,668
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: PCT/US 03/05022
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: US 60/399,348
; PRIOR FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: US 60/393,796
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: US 10/287,949
; PRIOR FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: US 10/306,747
; PRIOR FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: PCT/US 02/17674
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/386,782
; PRIOR FILING DATE: 2002-06-06
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2455
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 740
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-665-951-740

Query Match 0.7%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 7e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 419 CAAGTGCTGTGAAACTT 435
||| |||| ||||||||
Db 18 CAACTGCTTTGAAACTT 2

RESULT 723
US-10-665-951-770
; Sequence 770, Application US/10665951
; Publication No. US20040138163A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: McSwiggen, James
; APPLICANT: Beigelman, Leonid
; APPLICANT: Pavco, Pamela
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
; TITLE OF INVENTION: Growth Factor and Vascular Endothelial Growth Factor Receptor

; TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (siNA)
; FILE REFERENCE: 400/131 (MBHB02-742-F)
; CURRENT APPLICATION NUMBER: US/10/665,951
; CURRENT FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: US 10/664,668
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: PCT/US 03/05022
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: US 60/399,348
; PRIOR FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: US 60/393,796
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: US 10/287,949
; PRIOR FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: US 10/306,747
; PRIOR FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: PCT/US 02/17674
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/386,782
; PRIOR FILING DATE: 2002-06-06
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2455
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 770
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-665-951-770

Query Match 0.7%; Score 13.8; DB 1; Length 19;
Best Local Similarity 70.6%; Pred. No. 7e+02;
Matches 12; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 349 GTTGGTGAGGACTGTCC 365
| :|| ||||||:|:||
Db 1 GGUGGAGAGGACUGUCC 17

RESULT 724
US-09-802-669-174
; Sequence 174, Application US/09802669
; Patent No. US20020004490A1
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcusson, Eric G.
; APPLICANT: Wyatt, Jacqueline
; APPLICANT: Zhang, Hong
; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-545
; CURRENT APPLICATION NUMBER: US/09/802,669
; CURRENT FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: US 09/665,615
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 09/290,640
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 174
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-802-669-174

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2065 CTCTTTGTAATAAAATG 2081
|||| || |||||||||
Db 4 CTCTATGAAATAAAATG 20

RESULT 725
US-09-944-036-61
; Sequence 61, Application US/09944036
; Patent No. US20020055095A1
; GENERAL INFORMATION:
; APPLICANT: YANG, Yeasing Y.
; APPLICANT: BRENTANO, Steven T.
; APPLICANT: BABOLA, Odile
; APPLICANT: TRAN, Nathalie
; APPLICANT: VERNET, Guy
; TITLE OF INVENTION: AMPLIFICATION OF HIV-1 SEQUENCES FOR DETECTION OF
; TITLE OF INVENTION: SEQUENCES ASSOCIATED WITH DRUG-RESISTANCE MUTATIONS
; FILE REFERENCE: GP114-02.UT
; CURRENT APPLICATION NUMBER: US/09/944,036
; CURRENT FILING DATE: 2001-08-31
; PRIOR APPLICATION NUMBER: US 60/229,790
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 61
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: Oligonucleotide primer for protease target
; OTHER INFORMATION: sequence
US-09-944-036-61

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 140 AAGGCCACCCAATGAAG 156
|||| |||| |||||||
Db 2 AAGGACACCAAATGAAG 18

RESULT 726
US-09-752-639-100/c
; Sequence 100, Application US/09752639
; Patent No. US20020091243A1
; GENERAL INFORMATION:
; APPLICANT: Gatanaga, T.
; APPLICANT: Granger, G.A.
; TITLE OF INVENTION: Factors Altering Tumor Necrosis
; TITLE OF INVENTION: Factor Receptor Releasing Enzyme Activity, and Methods
; TITLE OF INVENTION: of Use Thereof
; NUMBER OF SEQUENCES: 154
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 PAGE MILL ROAD
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FastSEQ for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/752,639
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:

```
      APPLICATION NUMBER:  PCT/US99/10793
      FILING DATE:
      APPLICATION NUMBER:  09/081,385
      FILING DATE:
      APPLICATION NUMBER:  08/964,747
      FILING DATE:  05-NOV-1997
      APPLICATION NUMBER:  60/030,761
      FILING DATE:  06-NOV-1996
    ATTORNEY/AGENT INFORMATION:
      NAME:  Wu, Frank
      REGISTRATION NUMBER:  41,386
      REFERENCE/DOCKET NUMBER:  22000-20577.21
    TELECOMMUNICATION INFORMATION:
      TELEPHONE:  650-813-5600
      TELEFAX:  650-494-0792
      TELEX:  706141
  INFORMATION FOR SEQ ID NO:  100:
    SEQUENCE CHARACTERISTICS:
      LENGTH:  20 base pairs
      TYPE:  nucleic acid
      STRANDEDNESS:  single
      TOPOLOGY:  linear
S-09-752-639-100

 Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
 Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
 Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Y        403 ACTGGTGGTTCTGTGGC 419
             ||||||||||  ||  |||
D         19 ACTGGTGGTTATGAGGC 3


ESULT 727
S-09-731-457B-36
 Sequence 36, Application US/09731457B
 Patent No. US20020103146A1
 GENERAL INFORMATION:
  APPLICANT: Ian Popoff
  APPLICANT:  Jacqueline Wyatt
  TITLE OF INVENTION: ANTISENSE MODULATION OF DAMAGE-SPECIFIC DNA BINDING PROTEIN 1, P1
  TITLE OF INVENTION:  EXPRESSION
  FILE REFERENCE: RTS-0182
  CURRENT APPLICATION NUMBER: US/09/731,457B
  CURRENT FILING DATE:  2000-12-06
  NUMBER OF SEQ ID NOS: 87
 SEQ ID NO 36
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
S-09-731-457B-36

 Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
 Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
 Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Y        1690 AGGAGCCACCTTGCCAC 1706
              | |||||||  |||||||
D           4 ATGAGCCACGTTGCCAC 20


ESULT 728
IS-09-984-198-100/c
; Sequence 100, Application US/09984198
; Patent No. US20020106679A1
;  GENERAL INFORMATION:
;    APPLICANT:  Gatanaga, T.
;    APPLICANT:  Granger, G.A.
;    TITLE OF INVENTION:  Factors Altering Tumor Necrosis
;    TITLE OF INVENTION:  Factor Receptor Releasing Enzyme Activity, and Methods
;    TITLE OF INVENTION:  of Use Thereof
;    NUMBER OF SEQUENCES:  154
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 PAGE MILL ROAD
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Windows
;      SOFTWARE:  FastSEQ for Windows Version 2.0b
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/984,198
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US99/10793
;      FILING DATE:
;      APPLICATION NUMBER:  09/081,385
;      FILING DATE:
;      APPLICATION NUMBER:  08/964,747
;      FILING DATE:  05-NOV-1997
;      APPLICATION NUMBER:  60/030,761
;      FILING DATE:  06-NOV-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Wu, Frank
;      REGISTRATION NUMBER:  41,386
;      REFERENCE/DOCKET NUMBER:  22000-20577.21
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-813-5600
;      TELEFAX:  650-494-0792
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  100:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-984-198-100

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        403 ACTGGTGGTTCTGTGGC 419
              ||||||||||  ||  |||
Db         19 ACTGGTGGTTATGAGGC 3


RESULT 729
US-09-791-406-63/c
; Sequence 63, Application US/09791406
; Patent No. US20020147165A1
; GENERAL INFORMATION:
;  APPLICANT:  C. Frank Bennett
;  APPLICANT:  Robert Rothlein
;  APPLICANT:  Takashi Kei Kishimoto
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION:  ANTISENSE MODULATION OF CALRETICULIN EXPRESSION
;  FILE REFERENCE:  RTS-0097
;  CURRENT APPLICATION NUMBER: US/09/791,406
;  CURRENT FILING DATE:  2001-02-22
;  NUMBER OF SEQ ID NOS:  89
; SEQ ID NO 63
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-791-406-63
```

```
  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1246 GATGAGGACGAAGACGA 1262
              ||||||||| |||| ||
Db         18 GATGAGGACAAAGATGA 2


RESULT 730
US-09-863-806-85
; Sequence 85, Application US/09863806
; Publication No. US20020197608A1
;   GENERAL INFORMATION:
;        APPLICANT: Sidransky, David
;        TITLE OF INVENTION: DETECTION OF NEOPLASIM BY ANALYSIS OF SALIVA
;        NUMBER OF SEQUENCES: 195
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Fish & Richardson P.C.
;             STREET: 4225 Executive Square, Suite 1400
;             CITY: La Jolla
;             STATE: CA
;             COUNTRY: USA
;             ZIP: 92037
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Diskette
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: Windows 95
;             SOFTWARE: FastSEQ for Windows Version 2.0b
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/863,806
;             FILING DATE: 22-May-2001
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/038,637
;             FILING DATE: <Unknown>
;             APPLICATION NUMBER: 08/152,313
;             FILING DATE: 12-NOV-1993
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Haile, Lisa A.
;             REGISTRATION NUMBER: 38,347
;             REFERENCE/DOCKET NUMBER: 07265/146001
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 619/678-5070
;             TELEFAX: 619/678-5099
;   INFORMATION FOR SEQ ID NO: 85:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: Genomic DNA
;        SEQUENCE DESCRIPTION: SEQ ID NO: 85:
US-09-863-806-85

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1053 CAATGACTACTTTGAAT 1069
              || |||||||||||| |
Db          2 CAGTGACTACTTTGATT 18


RESULT 731
US-09-774-809-112/c
; Sequence 112, Application US/09774809
; Publication No. US20030004120A1
; GENERAL INFORMATION:
;  APPLICANT: McKay, Robert A.
;  APPLICANT:  Dean, Nicholas M.
;  APPLICANT:  Monia, Brett
;  APPLICANT:  Nero, Pam
;  APPLICANT:  Gaarde, William A.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE COMPOSITIONS AND METHODS
;  TITLE OF INVENTION:  FOR THE MODULATION OF JNK PROTEINS
;  FILE REFERENCE: ISPH-0412
;  CURRENT APPLICATION NUMBER: US/09/774,809
;  CURRENT FILING DATE:  2001-01-31
;  PRIOR APPLICATION NUMBER: 09/396,902
;  PRIOR FILING DATE: 1999-09-15
;  PRIOR APPLICATION NUMBER: 09/130,616
;  PRIOR FILING DATE: 1998-08-07
;  PRIOR APPLICATION NUMBER: 08/910,629
;  PRIOR FILING DATE: 1997-08-03
;  NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 112
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Sequence
US-09-774-809-112

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          3 GCGGAGCCGCGGGCGGG 19
              |||||||||||  || ||
Db         17 GCGGAGCCGCGAGCAGG 1


RESULT 732
US-09-860-761-2
; Sequence 2, Application US/09860761
; Publication No. US20030027775A1
;   GENERAL INFORMATION:
;        APPLICANT: Wallace, R. Bruce
;        TITLE OF INVENTION: Method of Detecting and
;                            Discriminating Between Nucleic Acid Sequences
;        NUMBER OF SEQUENCES: 27
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: City of Hope
;             STREET: 1500 East Duarte Road
;             CITY: Duarte
;             STATE: California
;             COUNTRY: United States of America
;             ZIP: 91010-0269
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: 3M High Density 3 1/2" diskette
;             COMPUTER: IBM compatible
;             OPERATING SYSTEM: MS-DOS (R) Version 3.30
;             SOFTWARE: Microsoft (R)
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/860,761
;             FILING DATE: 21-May-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/08/193,039B
;             FILING DATE: 04 February 1994
;        ATTORNEY/AGENT INFORMATION:
;             NAME: E. Anthony Figg
;             REGISTRATION NUMBER: 27,195
;             REFERENCE/DOCKET NUMBER: 2124-108
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (202) 783-6040
;             TELEFAX: (202) 783-6031
;             TELEX: No. US20030027775A1e
;   INFORMATION FOR SEQ ID NO: 2:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20
;             TYPE: Nucleotide
;             STRANDEDNESS: Single
;             TOPOLOGY: Linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-860-761-2
```

```
Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

,       1419 CCCAGAGGAGAAGAAAG 1435
             || |||||||||||| |
>          4 CCAAGAGGAGAAGAATG 20


ESULT 733
3-09-981-803-16/c
 Sequence 16, Application US/09981803
 Publication No. US20030032092A1
 GENERAL INFORMATION:
  APPLICANT: Joel CROUZET
  APPLICANT:  Daniel SCHERMAN
  APPLICANT:  Beatrice CAMERON
  APPLICANT:  Pierre WILS
  APPLICANT:  Anne-Marie DARQUET
  TITLE OF INVENTION: DNA MOLECULES, PREPARATION AND USE IN GENE THERAPY
  FILE REFERENCE: MINICIRCLE
  CURRENT APPLICATION NUMBER: US/09/981,803
  CURRENT FILING DATE:  2001-10-19
  NUMBER OF SEQ ID NOS: 50
  SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 16
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial sequence
   FEATURE:
   OTHER INFORMATION: Description of the artificial sequence:
   OTHER INFORMATION: oligonucleotide
S-09-981-803-16

 Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
 Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
 Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y       1422 AGAGGAGAAGAAAGAAG 1438
             ||| |||||| ||||||
b         19 AGAAGAGAAGCAAGAAG 3


ESULT 734
S-09-981-803-18/c
 Sequence 18, Application US/09981803
 Publication No. US20030032092A1
 GENERAL INFORMATION:
  APPLICANT: Joel CROUZET
  APPLICANT:  Daniel SCHERMAN
  APPLICANT:  Beatrice CAMERON
  APPLICANT:  Pierre WILS
  APPLICANT:  Anne-Marie DARQUET
  TITLE OF INVENTION: DNA MOLECULES, PREPARATION AND USE IN GENE THERAPY
  FILE REFERENCE: MINICIRCLE
  CURRENT APPLICATION NUMBER: US/09/981,803
  CURRENT FILING DATE:  2001-10-19
  NUMBER OF SEQ ID NOS: 50
  SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 18
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial sequence
   FEATURE:
   OTHER INFORMATION: Description of the artificial sequence:
   OTHER INFORMATION: oligonucleotide
JS-09-981-803-18

 Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
 Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
 Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy      1422 AGAGGAGAAGAAAGAAG 1438
             ||| |||||| ||||||
Db        19 AGAAGAGAAGGAAGAAG 3


RESULT 735
US-09-972-115A-51
; Sequence 51, Application US/09972115A
; Publication No. US20030032769A1
; GENERAL INFORMATION:
;  APPLICANT: Geron Corporation
;  APPLICANT:  Gregg, Morin B.
;  APPLICANT:  Walter, Funk D.
;  APPLICANT:  Mieczyslaw, Piatyszek A.
;  TITLE OF INVENTION: A Second Mammalian Telomerase
;  FILE REFERENCE: 080/003C
;  CURRENT APPLICATION NUMBER: US/09/972,115A
;  CURRENT FILING DATE:  2001-10-05
;  PRIOR APPLICATION NUMBER: US 60/128,577
;  PRIOR FILING DATE: 2000-04-10
;  PRIOR APPLICATION NUMBER: US 60/129,123
;  PRIOR FILING DATE: 1999-04-13
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 51
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-09-972-115A-51

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       471 TGGGGGCCTGCACCATG 487
             | |||| ||||||||||
Db         1 TTGGGGTCTGCACCATG 17


RESULT 736
US-09-828-344-73
; Sequence 73, Application US/09828344
; Publication No. US20030044979A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
;  FILE REFERENCE: RTS-0147
;  CURRENT APPLICATION NUMBER: US/09/828,344
;  CURRENT FILING DATE:  2001-04-06
;  NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 73
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-73

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy      1603 TATATAAAAATTTATTA 1619
             |||||||||||| || |
Db         1 TATATAAAAATTAATAA 17


RESULT 737
US-09-954-556-102
; Sequence 102, Application US/09954556
```

; Publication No. US20030078219A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Freier
; APPLICANT: Scott Cooper
; TITLE OF INVENTION: ANTISENSE MODULATION OF FIBROBLAST GROWTH FACTOR RECEPTOR 2 EXPRE
; FILE REFERENCE: RTS-0250
; CURRENT APPLICATION NUMBER: US/09/954,556
; CURRENT FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 108
; SEQ ID NO 102
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-954-556-102

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1156 CGACTGTTTGAGAACCT 1172
||| || ||||||||||
Db 4 CGAGTGCTTGAGAACCT 20

RESULT 738
US-09-952-522B-41/c
; Sequence 41, Application US/09952522B
; Publication No. US20030082152A1
; GENERAL INFORMATION:
; APPLICANT: Katz, Adam J.
; APPLICANT: Llull, Ramon
; APPLICANT: Futrell, J. William
; APPLICANT: Hedrick, Marc H.
; APPLICANT: Benhaim, Prosper
; APPLICANT: Lorenz, Hermann Peter
; APPLICANT: Zhu, Min
; TITLE OF INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES
; FILE REFERENCE: 30448.77USI1
; CURRENT APPLICATION NUMBER: US/09/952,522B
; CURRENT FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: PCT/US00/06232
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/123,711
; PRIOR FILING DATE: 1999-03-10
; PRIOR APPLICATION NUMBER: 60/162,462
; PRIOR FILING DATE: 1999-10-29
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 41
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Decorin
; OTHER INFORMATION: forward primer
US-09-952-522B-41

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1365 TTCCAACTTCAAAAAAG 1381
||||||||||| ||||
Db 18 TTCCAACTTCACCAAAG 2

RESULT 739
US-09-912-724-55
; Sequence 55, Application US/09912724
; Publication No. US20030083280A1
; GENERAL INFORMATION:
; APPLICANT: Rosanne M. Crooke
; APPLICANT: Mark J. Graham
; TITLE OF INVENTION: ANTISENSE MODULATION OF C-REACTIVE PROTEIN EXPRESSION
; FILE REFERENCE: ISPH-0584
; CURRENT APPLICATION NUMBER: US/09/912,724
; CURRENT FILING DATE: 2001-07-25
; NUMBER OF SEQ ID NOS: 63
; SEQ ID NO 55
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-912-724-55

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1428 GAAGAAAGAAGTCACCG 1444
||||||||| |||| |
Db 2 GAAGAAAGAATTCACAG 18

RESULT 740
US-09-917-963-35
; Sequence 35, Application US/09917963
; Publication No. US20030086912A1
; GENERAL INFORMATION:
; APPLICANT: Rosanne M. Crooke
; APPLICANT: Mark J. Graham
; TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL TRIGLYCERIDE TRANSFER PROTEIN
; TITLE OF INVENTION: EXPRESSION
; FILE REFERENCE: ISPH-0591
; CURRENT APPLICATION NUMBER: US/09/917,963
; CURRENT FILING DATE: 2001-07-30
; NUMBER OF SEQ ID NOS: 137
; SEQ ID NO 35
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-917-963-35

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1992 CTTCTCCTAATTCTGCA 2008
||||||||| |||||||
Db 3 CTTCTCCTGCTTCTGCA 19

RESULT 741
US-09-967-669-17/c
; Sequence 17, Application US/09967669
; Publication No. US20030092650A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF SPHINGOSINE-1-PHOSPHATE LYASE EXPRESSION
; FILE REFERENCE: RTS-0259
; CURRENT APPLICATION NUMBER: US/09/967,669
; CURRENT FILING DATE: 2001-09-28
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 17
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide

:-09-967-669-17

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1371 CTTCAAAAAAGCCAAGA 1387
|| || ||||||||||||
Db 20 CTCCACAAAAGCCAAGA 4

ESULT 742
S-09-918-026A-15/c
Sequence 15, Application US/09918026A
Publication No. US20030096772A1
GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 15
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: PCR Primer
S-09-918-026A-15

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1224 CGCCATCCCTGAGGAGA 1240
||||| ||||| |||||
Db 17 CGCCAACCCTGTGGAGA 1

ESULT 743
S-09-916-136A-30
Sequence 30, Application US/09916136A
Publication No. US20030162759A1
GENERAL INFORMATION:
APPLICANT: Pharmacia Corporation
TITLE OF INVENTION: ALDOSTERONE BLOCKER THERAPY TO PREVENT OR TREAT INFLAMMATION-RELA
TITLE OF INVENTION: DISORDERS
FILE REFERENCE: 3357/1US
CURRENT APPLICATION NUMBER: US/09/916,136A
CURRENT FILING DATE: 2002-12-20
NUMBER OF SEQ ID NOS: 35
SOFTWARE: PatentIn version 3.1
SEQ ID NO 30
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Forward primer derived from rat VCAM-1 sequence
IS-09-916-136A-30

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 787 AAGCCGGTCATGTCCAA 803
|||||||||||| |||
Db 2 AAGCCGGTCATGGTCAA 18

RESULT 744
US-10-380-195A-6/c
; Sequence 6, Application US/10380195A
; Publication No. US20040072776A1
; GENERAL INFORMATION:
; APPLICANT: Gleave, Martin
; APPLICANT: Kiyama, Satoshi
; APPLICANT: Nelson, Colleen
; APPLICANT: Rennie, Paul
; TITLE OF INVENTION: Antisense Insulin-Like Growth Factor Binding Protein (IGFBP)-2
; TITLE OF INVENTION: Oligodeoxynucleotides for Prostate and Endocrine Tumor Therapy
; FILE REFERENCE: UBC.P-023
; CURRENT APPLICATION NUMBER: US/10/380,195A
; CURRENT FILING DATE: 2003-03-12
; PRIOR APPLICATION NUMBER: PCT/US01/28748
; PRIOR FILING DATE: 2001-09-13
; PRIOR APPLICATION NUMBER: US 60/232,641
; PRIOR FILING DATE: 2000-09-14
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: IGFBP2 antisense
US-10-380-195A-6

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1680 GAGCTCTTCCAGGAGCC 1696
|||||| ||| ||||||
Db 20 GAGCTCGTCCGGGAGCC 4

RESULT 745
US-10-380-195A-50/c
; Sequence 50, Application US/10380195A
; Publication No. US20040072776A1
; GENERAL INFORMATION:
; APPLICANT: Gleave, Martin
; APPLICANT: Kiyama, Satoshi
; APPLICANT: Nelson, Colleen
; APPLICANT: Rennie, Paul
; TITLE OF INVENTION: Antisense Insulin-Like Growth Factor Binding Protein (IGFBP)-2
; TITLE OF INVENTION: Oligodeoxynucleotides for Prostate and Endocrine Tumor Therapy
; FILE REFERENCE: UBC.P-023
; CURRENT APPLICATION NUMBER: US/10/380,195A
; CURRENT FILING DATE: 2003-03-12
; PRIOR APPLICATION NUMBER: PCT/US01/28748
; PRIOR FILING DATE: 2001-09-13
; PRIOR APPLICATION NUMBER: US 60/232,641
; PRIOR FILING DATE: 2000-09-14
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 50
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: IGFBP2 antisense
US-10-380-195A-50

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1680 GAGCTCTTCCAGGAGCC 1696
|||||| ||| ||||||
Db 20 GAGCTCGTCCGGGAGCC 4

RESULT 746

```
US-10-626-772-4
; Sequence 4, Application US/10626772
; Publication No. US20040072344A1
; GENERAL INFORMATION:
;  APPLICANT: KAZUTOMO INOUE,
;  APPLICANT:  DOHOON KIM,
;  APPLICANT:  YANJUN GU
;  APPLICANT:  MICHIYO ISHII
;  TITLE OF INVENTION: METHOD FOR INDUCING DIFFERENTIATION OF EMBRYONIC STEM CELLS INTO
;  TITLE OF INVENTION:  FUNCTIONING CELLS
;  FILE REFERENCE: 0020-5157P
;  CURRENT APPLICATION NUMBER: US/10/626,772
;  CURRENT FILING DATE:  2003-07-25
;  PRIOR APPLICATION NUMBER: US 10/054,789
;  PRIOR FILING DATE: 2002-01-25
;  NUMBER OF SEQ ID NOS: 48
; SEQ ID NO 4
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide Primer
US-10-626-772-4

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1373 TCAAAAAAGCCAAGAGA 1389
              || | |||||||||||||
Db          1 TCCAGAAAGCCAAGAGA 17


RESULT 747
US-10-345-444B-112/c
; Sequence 112, Application US/10345444B
; Publication No. US20040029823A1
; GENERAL INFORMATION:
;  APPLICANT: McKay, Robert A.
;  APPLICANT:  Dean, Nicholas M.
;  APPLICANT:  Monia, Brett
;  APPLICANT:  Nero, Pam
;  APPLICANT:  Gaarde, William A.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE COMPOSITIONS AND METHODS FOR THE MODULA
;  TITLE OF INVENTION:  OF JNK PROTEINS
;  FILE REFERENCE: ISPH-0726
;  CURRENT APPLICATION NUMBER: US/10/345,444B
;  CURRENT FILING DATE:  2003-01-15
;  PRIOR APPLICATION NUMBER: US 09/774,809
;  PRIOR FILING DATE: 2001-01-31
;  PRIOR APPLICATION NUMBER: US 09/396,902
;  PRIOR FILING DATE: 1999-09-15
;  PRIOR APPLICATION NUMBER: US 09/287,796
;  PRIOR FILING DATE: 1999-04-07
;  PRIOR APPLICATION NUMBER: US 09/130,616
;  PRIOR FILING DATE: 1998-08-07
;  PRIOR APPLICATION NUMBER: US 08/910,629
;  PRIOR FILING DATE: 1997-08-03
;  NUMBER OF SEQ ID NOS: 168
; SEQ ID NO 112
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Sequence
US-10-345-444B-112

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          3 GCGGAGCCGCGGGCGGG 19
              |||||||||||  || ||
Db         17 GCGGAGCCGCGAGCAGG 1


RESULT 748
US-10-016-248-124
; Sequence 124, Application US/10016248
; Publication No. US20040033491A1
; GENERAL INFORMATION:
;  APPLICANT: Alsobrook et al.
;  TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
;  FILE REFERENCE: 21402-218
;  CURRENT APPLICATION NUMBER: US/10/016,248
;  CURRENT FILING DATE:  2002-09-20
;  PRIOR APPLICATION NUMBER: 60/254,329
;  PRIOR FILING DATE: 2000-12-08
;  PRIOR APPLICATION NUMBER: 60/291,037
;  PRIOR FILING DATE: 2001-05-15
;  PRIOR APPLICATION NUMBER: 60/255,648
;  PRIOR FILING DATE: 2000-12-14
;  PRIOR APPLICATION NUMBER: 60/297,173
;  PRIOR FILING DATE: 2001-06-08
;  PRIOR APPLICATION NUMBER: 60/309,258
;  PRIOR FILING DATE: 2001-07-31
;  PRIOR APPLICATION NUMBER: 60/326,393
;  PRIOR FILING DATE: 2001-10-01
;  PRIOR APPLICATION NUMBER: 60/315,639
;  PRIOR FILING DATE: 2001-08-29
;  NUMBER OF SEQ ID NOS: 167
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 124
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
;   OTHER INFORMATION: primer
US-10-016-248-124

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        228 CCCTCACAAAGCCAATG 244
              |||||||||  ||||  ||
Db          4 CCCTCACAATGCCATTG 20


RESULT 749
US-10-619-220-174
; Sequence 174, Application US/10619220
; Publication No. US20040033979A1
; GENERAL INFORMATION:
;  APPLICANT: Dean, Nicholas M.
;  APPLICANT:  Marcusson, Eric G.
;  APPLICANT:  Wyatt, Jacqueline
;  APPLICANT:  Zhang, Hong
;  TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
;  FILE REFERENCE: ISPH-545
;  CURRENT APPLICATION NUMBER: US/10/619,220
;  CURRENT FILING DATE:  2003-07-14
;  PRIOR APPLICATION NUMBER: 09/802,669
;  PRIOR FILING DATE: 2001-03-01
;  PRIOR APPLICATION NUMBER: US 09/665,615
;  PRIOR FILING DATE: 2000-09-18
;  PRIOR APPLICATION NUMBER: US 09/290,640
;  PRIOR FILING DATE: 1999-04-12
;  NUMBER OF SEQ ID NOS: 180
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 174
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
```

OTHER INFORMATION: Antisense Oligonucleotide
S-10-619-220-174

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2065 CTCTTTGTAATAAAATG 2081
||||.||.|||||||||
Db 4 CTCTATGAAATAAAATG 20

RESULT 750
S-10-642-802-110/c
Sequence 110, Application US/10642802
Publication No. US20040043956A1
GENERAL INFORMATION:
APPLICANT: Mark J. Graham
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF COMPLEMENT COMPONENT C3 EXPRESSION
FILE REFERENCE: RTS-0329
CURRENT APPLICATION NUMBER: US/10/642,802
CURRENT FILING DATE: 2003-08-18
PRIOR APPLICATION NUMBER: US/10/001,076
PRIOR FILING DATE: 2001-10-23
NUMBER OF SEQ ID NOS: 179
SEQ ID NO 110
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
S-10-642-802-110

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 318 GGAGTACAGCAAGCAGA 334
|||| | ||||||||||
Db 17 GGAGGAGAGCAAGCAGA 1

RESULT 751
US-10-236-417-238/c
Sequence 238, Application US/10236417
Publication No. US20040048256A1
GENERAL INFORMATION:
APPLICANT: Agee et al.
TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: 21402-442C
CURRENT APPLICATION NUMBER: US/10/236,417
CURRENT FILING DATE: 2003-01-06
PRIOR APPLICATION NUMBER: US60/318,120
PRIOR FILING DATE: 2001-09-01
PRIOR APPLICATION NUMBER: US60/318,430
PRIOR FILING DATE: 2001-09-10
PRIOR APPLICATION NUMBER: US60/322,781
PRIOR FILING DATE: 2001-09-17
PRIOR APPLICATION NUMBER: US60/318,184
PRIOR FILING DATE: 2001-09-07
PRIOR APPLICATION NUMBER: US60/361,663
PRIOR FILING DATE: 2002-03-05
PRIOR APPLICATION NUMBER: US60/396,412
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US60/322,636
PRIOR FILING DATE: 2001-09-17
PRIOR APPLICATION NUMBER: US60/322,817
PRIOR FILING DATE: 2001-09-17
PRIOR APPLICATION NUMBER: US60/322,816
PRIOR FILING DATE: 2001-09-17
PRIOR APPLICATION NUMBER: US60/323,519
PRIOR FILING DATE: 2001-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 341
SOFTWARE: Custom
SEQ ID NO 238
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Reverse Primer
US-10-236-417-238

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1132 GAGTACCTGGAGAAGAT 1148
||| |||||||||||.|
Db 17 GAGGACCTGGAGAAGTT 1

RESULT 752
US-10-144-488-18/c
Sequence 18, Application US/10144488
Publication No. US20030212017A1
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF FARNESYL TRANSFERASE BETA SUBUNIT EXPRESS
FILE REFERENCE: RTS-0363
CURRENT APPLICATION NUMBER: US/10/144,488
CURRENT FILING DATE: 2002-05-10
NUMBER OF SEQ ID NOS: 80
SEQ ID NO 18
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-10-144-488-18

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 614 AAGAGGCCTTCTACACC 630
||||||||||| ||| |
Db 18 AAGAGGCCTTCGACAAC 2

RESULT 753
US-10-160-497-64/c
Sequence 64, Application US/10160497
Publication No. US20030224513A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
APPLICANT: Erich Koller
TITLE OF INVENTION: ANTISENSE MODULATION OF NOTCH1 EXPRESSION
FILE REFERENCE: RTS-0386
CURRENT APPLICATION NUMBER: US/10/160,497
CURRENT FILING DATE: 2002-05-30
NUMBER OF SEQ ID NOS: 145
SEQ ID NO 64
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-10-160-497-64

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy       1523 CCAGCTCTGGCTTCCTG 1539
              ||||||||||| | ||||
Db         17 CCAGCTCTGGTTCCCTG 1
```

RESULT 754
US-10-348-750-64/c
; Sequence 64, Application US/10348750
; Publication No. US20030225019A1
; GENERAL INFORMATION:
; APPLICANT: Susan M. Freier
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Erich Koller
; TITLE OF INVENTION: NOTCH1 INHIBITORS FOR INDUCING APOPTOSIS
; FILE REFERENCE: ISPH-0729
; CURRENT APPLICATION NUMBER: US/10/348,750
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: 10/160,497
; PRIOR FILING DATE: 2002-02-20
; NUMBER OF SEQ ID NOS: 146
; SEQ ID NO 64
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-348-750-64

```
  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1523 CCAGCTCTGGCTTCCTG 1539
              ||||||||||| | ||||
Db         17 CCAGCTCTGGTTCCCTG 1
```

RESULT 755
US-10-117-323-15/c
; Sequence 15, Application US/10117323
; Publication No. US20030054993A1
; GENERAL INFORMATION:
; APPLICANT: Rancourt, Derrick E.
; APPLICANT: Rancourt, Susan L.
; APPLICANT: O'Sullivan, Colleen M.
; TITLE OF INVENTION: Implantation Serine Proteinases
; FILE REFERENCE: 033337-005
; CURRENT APPLICATION NUMBER: US/10/117,323
; CURRENT FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: US 60/281,724
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/294,736
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: US 60/350,962
; PRIOR FILING DATE: 2002-01-25
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: control oligo
US-10-117-323-15

```
  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1358 AGAACTCTTCCAACTTC 1374
              ||||||||||| |||| |
Db         20 AGAACTCTTCTAACTAC 4
```

RESULT 756
US-10-181-107-19
; Sequence 19, Application US/10181107
; Publication No. US20030083295A1
; GENERAL INFORMATION:
; APPLICANT: Hong Zhang
; APPLICANT: Lex M. Cowsert
; TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 3 EXPRESSION
; FILE REFERENCE: RTSP-0325
; CURRENT APPLICATION NUMBER: US/10/181,107
; CURRENT FILING DATE: 2002-07-11
; PRIOR APPLICATION NUMBER: PCT/US01/00888
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 09/484,617
; PRIOR FILING DATE: 2000-01-18
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 19
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-181-107-19

```
  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1012 GCTGTGGCCCTGGATAC 1028
              ||||||||| ||||||
Db          1 GCTGTGGCCACGGATAC 17
```

RESULT 757
US-10-181-177-145/c
; Sequence 145, Application US/10181177
; Publication No. US20030083296A1
; GENERAL INFORMATION:
; APPLICANT: Hong Zhang
; APPLICANT: Lex M. Cowsert
; TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 8 EXPRESSION
; FILE REFERENCE: RTSP-0334
; CURRENT APPLICATION NUMBER: US/10/181,177
; CURRENT FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: PCT/US01/00955
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 09/487,445
; PRIOR FILING DATE: 2000-01-19
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 145
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-181-177-145

```
  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2035 TTTTGAGATACTATTTT 2051
              |||||||||| ||| ||
Db         19 TTTTGAGATAGTATCTT 3
```

RESULT 758
US-10-181-846-154/c
; Sequence 154, Application US/10181846
; Publication No. US20030083297A1
; GENERAL INFORMATION:

APPLICANT: Nicholas M. Dean
APPLICANT: Lex M. Cowsert
TITLE OF INVENTION: ANTISENSE MODULATION OF DAXX EXPRESSION
FILE REFERENCE: RTSP-0363
CURRENT APPLICATION NUMBER: US/10/181,846
CURRENT FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: PCT/US01/01416
PRIOR FILING DATE: 2001-01-16
PRIOR APPLICATION NUMBER: 09/490,692
PRIOR FILING DATE: 2000-01-24
NUMBER OF SEQ ID NOS: 176
SEQ ID NO 154
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
S-10-181-846-154

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

y 1422 AGAGGAGAAGAAAGAAG 1438
||||||| ||||||| |
b 19 AGAGGAGGAGAAAGAGG 3

ESULT 759
S-10-001-076-110/c
Sequence 110, Application US/10001076
Publication No. US20030096775A1
GENERAL INFORMATION:
APPLICANT: Mark J. Graham
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF COMPLEMENT COMPONENT C3 EXPRESSION
FILE REFERENCE: RTS-0329
CURRENT APPLICATION NUMBER: US/10/001,076
CURRENT FILING DATE: 2001-10-23
NUMBER OF SEQ ID NOS: 179
SEQ ID NO 110
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
JS-10-001-076-110

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

)y 318 GGAGTACAGCAAGCAGA 334
|||| | ||||||||||
)b 17 GGAGGAGAGCAAGCAGA 1

RESULT 760
JS-10-100-608B-12
; Sequence 12, Application US/10100608B
; Publication No. US20030104412A1
; GENERAL INFORMATION:
; APPLICANT: Heiskala, Marja
; TITLE OF INVENTION: REG-LIKE PROTEIN
; FILE REFERENCE: CDS-261
; CURRENT APPLICATION NUMBER: US/10/100,608B
; CURRENT FILING DATE: 2002-09-10
; PRIOR APPLICATION NUMBER: 60/276,414
; PRIOR FILING DATE: 2002-03-16
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 20
; TYPE: DNA
; ORGANISM: primer
US-10-100-608B-12

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1010 CAGCTGTGGCCCTGGAT 1026
||||||| |||||||
Db 1 CAGCTGTGCTCCTGGAT 17

RESULT 761
US-10-024-369-26
; Sequence 26, Application US/10024369
; Publication No. US20030134809A1
; GENERAL INFORMATION:
; APPLICANT: Alexander H. Borchers
; APPLICANT: Donna T. Ward
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF ABC TRANSPORTER MHC 1 EXPRESSION
; FILE REFERENCE: RTS-0353
; CURRENT APPLICATION NUMBER: US/10/024,369
; CURRENT FILING DATE: 2001-12-17
; NUMBER OF SEQ ID NOS: 91
; SEQ ID NO 26
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-024-369-26

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 74 CGCAGGGCACCCGGAGG 90
||| |||||||| ||||
Db 2 CGCCGGGCACCCAGAGG 18

RESULT 762
US-10-148-806-12
; Sequence 12, Application US/10148806
; Publication No. US20030138933A1
; GENERAL INFORMATION:
; APPLICANT: Bai, Chang
; APPLICANT: Metzger, Michael
; APPLICANT: Liu, Xiaomei
; TITLE OF INVENTION: DNA MOLECULES ENCODING HUMAN NHL, A DNA
; TITLE OF INVENTION: HELICASE
; FILE REFERENCE: 20585P
; CURRENT APPLICATION NUMBER: US/10/148,806
; CURRENT FILING DATE: 2002-06-05
; PRIOR APPLICATION NUMBER: US00/33065
; PRIOR FILING DATE: 2000-12-09
; PRIOR APPLICATION NUMBER: 60/169,970
; PRIOR FILING DATE: 1999-12-09
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: oligonucleotide
US-10-148-806-12

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy        373 GATGGCCTGTTTGAGTT 389
              |||| ||||| ||||||
Db          1 GATGACCTGTGTGAGTT 17


RESULT 763
US-10-148-806-13/c
; Sequence 13, Application US/10148806
; Publication No. US20030138933A1
; GENERAL INFORMATION:
;  APPLICANT: Bai, Chang
;  APPLICANT:  Metzger, Michael
;  APPLICANT:  Liu, Xiaomei
;  TITLE OF INVENTION: DNA MOLECULES ENCODING HUMAN NHL, A DNA
;  TITLE OF INVENTION:  HELICASE
;  FILE REFERENCE: 20585P
;  CURRENT APPLICATION NUMBER: US/10/148,806
;  CURRENT FILING DATE:  2002-06-05
;  PRIOR APPLICATION NUMBER: US00/33065
;  PRIOR FILING DATE: 2000-12-09
;  PRIOR APPLICATION NUMBER: 60/169,970
;  PRIOR FILING DATE: 1999-12-09
;  NUMBER OF SEQ ID NOS: 38
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: oligonucleotide
US-10-148-806-13

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        373 GATGGCCTGTTTGAGTT 389
              |||| ||||| ||||||
Db         20 GATGACCTGTGTGAGTT 4


RESULT 764
US-10-017-621-18/c
; Sequence 18, Application US/10017621
; Publication No. US20030138952A1
; GENERAL INFORMATION:
;  APPLICANT: Susan M. Freier
;  APPLICANT:  Mark P. Roach
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PCTAIRE PROTEIN KINASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0350
;  CURRENT APPLICATION NUMBER: US/10/017,621
;  CURRENT FILING DATE:  2001-12-07
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 18
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-017-621-18

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1139 TGGAGAAGATCAAACAG 1155
              || |||||||||||| |
Db         17 TGAAGAAGATCAAACGG 1


RESULT 765
US-10-006-972A-38
; Sequence 38, Application US/10006972A
; Publication No. US20030139359A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE 3 EXPRESSION
;  FILE REFERENCE: RTS-0335
;  CURRENT APPLICATION NUMBER: US/10/006,972A
;  CURRENT FILING DATE:  2001-12-04
;  NUMBER OF SEQ ID NOS: 94
; SEQ ID NO 38
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-006-972A-38

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1737 AAAGGGTGCCAGGTCTG 1753
              || || ||||||||||
Db          3 AAGGGATGCCAGGTCTG 19


RESULT 766
US-10-020-478-86
; Sequence 86, Application US/10020478
; Publication No. US20030144224A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Kenneth Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF B-CELL ASSOCIATED PROTEIN EXPRESSION
;  FILE REFERENCE: RTS-0303
;  CURRENT APPLICATION NUMBER: US/10/020,478
;  CURRENT FILING DATE:  2001-12-13
;  NUMBER OF SEQ ID NOS: 88
; SEQ ID NO 86
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-020-478-86

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        523 AATGATATCGTCTTGGC 539
              || |||||| |||||||
Db          3 AAGGATATCATCTTGGC 19


RESULT 767
US-10-348-485-50
; Sequence 50, Application US/10348485
; Publication No. US20030148989A1
; GENERAL INFORMATION:
;  APPLICANT: Bennett, C. Frank
;  APPLICANT:  Dean, Nicholas M.
;  APPLICANT:  Holmlund, Jon T.
;  APPLICANT:  Dorr, F. Andrew
;  TITLE OF INVENTION: Oligonucleotide Modulation Of Protein Kinase C
;  FILE REFERENCE: ISIS4954
;  CURRENT APPLICATION NUMBER: US/10/348,485
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/10/025,139
;  PRIOR FILING DATE: 2001-12-18
;  PRIOR APPLICATION NUMBER: US 08/829,637
;  PRIOR FILING DATE: 1997-03-31
;  PRIOR APPLICATION NUMBER: US 08/478,178
```

PRIOR FILING DATE: 1995-06-07
PRIOR APPLICATION NUMBER: US 08/089,996
PRIOR FILING DATE: 1993-07-09
PRIOR APPLICATION NUMBER: US 07/852,852
PRIOR FILING DATE: 1992-03-16
NUMBER OF SEQ ID NOS: 121
SOFTWARE: PatentIn version 3.1
SEQ ID NO 50
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
-10-348-485-50

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

946 ATGCTGATGCTGGGAGG 962
| ||||||||||||| |
1 AGGCTGATGCTGGGAAG 17

ESULT 768
-10-348-485-62
Sequence 62, Application US/10348485
Publication No. US20030148989A1
GENERAL INFORMATION:
APPLICANT: Bennett, C. Frank
APPLICANT: Dean, Nicholas M.
APPLICANT: Holmlund, Jon T.
APPLICANT: Dorr, F. Andrew
TITLE OF INVENTION: Oligonucleotide Modulation Of Protein Kinase C
FILE REFERENCE: ISIS4954
CURRENT APPLICATION NUMBER: US/10/348,485
CURRENT FILING DATE: 2003-01-21
PRIOR APPLICATION NUMBER: US/10/025,139
PRIOR FILING DATE: 2001-12-18
PRIOR APPLICATION NUMBER: US 08/829,637
PRIOR FILING DATE: 1997-03-31
PRIOR APPLICATION NUMBER: US 08/478,178
PRIOR FILING DATE: 1995-06-07
PRIOR APPLICATION NUMBER: US 08/089,996
PRIOR FILING DATE: 1993-07-09
PRIOR APPLICATION NUMBER: US 07/852,852
PRIOR FILING DATE: 1992-03-16
NUMBER OF SEQ ID NOS: 121
SOFTWARE: PatentIn version 3.1
SEQ ID NO 62
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
S-10-348-485-62

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

946 ATGCTGATGCTGGGAGG 962
| ||||||||||||| |
2 AGGCTGATGCTGGGAAG 18

ESULT 769
S-10-054-789-4
Sequence 4, Application US/10054789
Publication No. US20030162290A1
GENERAL INFORMATION:
APPLICANT: Kazutomo Inoue et al.
TITLE OF INVENTION: METHOD FOR INDUCING DIFFERENTIATION OF EMBRYONIC STEM CELLS INTO
TITLE OF INVENTION: FUNCTIONING CELLS
FILE REFERENCE: 0020-4954P
CURRENT APPLICATION NUMBER: US/10/054,789
CURRENT FILING DATE: 2002-01-25
NUMBER OF SEQ ID NOS: 28
SEQ ID NO 4
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide Primer
US-10-054-789-4

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1373 TCAAAAAAGCCAAGAGA 1389
|| | |||||||||||||
Db 1 TCCAGAAAGCCAAGAGA 17

RESULT 770
US-10-104-025-3/c
Sequence 3, Application US/10104025
Publication No. US20030165876A1
GENERAL INFORMATION:
APPLICANT: AVENTIS PHARMA SA
APPLICANT: BLANCHE, Francis
APPLICANT: CAMERON, Beatrice
TITLE OF INVENTION: PROCESSES FOR PURIFYING AND FOR DETECTING TARGET DOUBLE-STRANDED
TITLE OF INVENTION: SEQUENCES BY TRIPLE HELIX INTERACTION
FILE REFERENCE: 03806.0546
CURRENT APPLICATION NUMBER: US/10/104,025
CURRENT FILING DATE: 2002-03-25
PRIOR APPLICATION NUMBER: US 60/285,272
PRIOR FILING DATE: 2001-04-23
PRIOR APPLICATION NUMBER: FR 0103953
PRIOR FILING DATE: 2001-03-23
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PatentIn version 3.0
SEQ ID NO 3
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide
US-10-104-025-3

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1422 AGAGGAGAAGAAAGAAG 1438
||| |||||| ||||||
Db 19 AGAAGAGAAGCAAGAAG 3

RESULT 771
US-10-104-025-5/c
Sequence 5, Application US/10104025
Publication No. US20030165876A1
GENERAL INFORMATION:
APPLICANT: AVENTIS PHARMA SA
APPLICANT: BLANCHE, Francis
APPLICANT: CAMERON, Beatrice
TITLE OF INVENTION: PROCESSES FOR PURIFYING AND FOR DETECTING TARGET DOUBLE-STRANDED
TITLE OF INVENTION: SEQUENCES BY TRIPLE HELIX INTERACTION
FILE REFERENCE: 03806.0546
CURRENT APPLICATION NUMBER: US/10/104,025
CURRENT FILING DATE: 2002-03-25
PRIOR APPLICATION NUMBER: US 60/285,272
PRIOR FILING DATE: 2001-04-23

; PRIOR APPLICATION NUMBER: FR 0103953
; PRIOR FILING DATE: 2001-03-23
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-10-104-025-5

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1422 AGAGGAGAAGAAAGAAG 1438
||| |||||| ||||||
Db 19 AGAAGAGAAGGAAGAAG 3

RESULT 772
US-10-315-515-99/c
; Sequence 99, Application US/10315515
; Publication No. US20030166190A1
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; TITLE OF INVENTION: RETROELEMENTS
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; CURRENT FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 99
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Glycine max
US-10-315-515-99

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 615 AGAGGCCTTCTACACCA 631
||||||| |||||| ||
Db 19 AGAGGCCATCTACATCA 3

RESULT 773
US-10-211-522-10/c
; Sequence 10, Application US/10211522
; Publication No. US20030194802A1
; GENERAL INFORMATION:
; APPLICANT: Gerecht-Nir , Sharon Itskovitz-Eldor, Joseph
; TITLE OF INVENTION: NOVEL METHODS FOR THE IN-VITRO IDENTIFICATION, ISOLATION AND
; TITLE OF INVENTION: DIFFERENTIATION OF VASCULOGENIC PROGENITOR CELLS
; FILE REFERENCE: 02/23700
; CURRENT APPLICATION NUMBER: US/10/211,522
; CURRENT FILING DATE: 2002-08-05
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Single strand DNA oligonucleotide
US-10-211-522-10

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 429 GAAACTTAATAAGCAGC 445
||||| ||| |||||||
Db 17 GAAACGTAACAAGCAGC 1

RESULT 774
US-10-380-931-120/c
; Sequence 120, Application US/10380931
; Publication No. US20030215944A1
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: OLIGONUCLEOTIDE INHIBITION OF HER-1 EXPRESSION
; FILE REFERENCE: RTSP-0187
; CURRENT APPLICATION NUMBER: US/10/380,931
; CURRENT FILING DATE: 2003-03-18
; PRIOR APPLICATION NUMBER: 09/676,610
; PRIOR FILING DATE: 2000-09-29
; NUMBER OF SEQ ID NOS: 182
; SEQ ID NO 120
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-931-120

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 113 GGGATGTTGGAAATTAC 129
|||| ||||||||||
Db 18 GGGAATTTGGAAATTAC 2

RESULT 775
US-10-425-975-61
; Sequence 61, Application US/10425975
; Publication No. US20030228574A1
; GENERAL INFORMATION:
; APPLICANT: YANG, Yeasing Y.
; APPLICANT: BRENTANO, Steven T.
; APPLICANT: BABOLA, Odile
; APPLICANT: TRAN, Nathalie
; APPLICANT: VERNET, Guy
; TITLE OF INVENTION: AMPLIFICATION OF HIV-1 SEQUENCES FOR DETECTION OF
; TITLE OF INVENTION: SEQUENCES ASSOCIATED WITH DRUG-RESISTANCE MUTATIONS
; FILE REFERENCE: GP114-02.UT
; CURRENT APPLICATION NUMBER: US/10/425,975
; CURRENT FILING DATE: 2003-04-28
; PRIOR APPLICATION NUMBER: US/09/944,036
; PRIOR FILING DATE: 2001-08-31
; PRIOR APPLICATION NUMBER: US 60/229,790
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 61
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: Oligonucleotide primer for protease target
; OTHER INFORMATION: sequence
US-10-425-975-61

```
Query Match              0.7%;  Score 13.8;  DB 1;  Length 20;
Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

,        140 AAGGCCACCCAATGAAG 156
            |||| |||| |||||||
)          2 AAGGACACCAAATGAAG 18


ESULT 776
3-10-349-143-7724
 Sequence 7724, Application US/10349143
 Publication No. US20040005584A1
 GENERAL INFORMATION:
  APPLICANT: Cohen, Daniel
  APPLICANT:  Blumenfeld, Marta
  APPLICANT:  Chumakov, Ilya
  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
  FILE REFERENCE: GENSET.020CP1
  CURRENT APPLICATION NUMBER: US/10/349,143
  CURRENT FILING DATE:  2003-01-21
  PRIOR APPLICATION NUMBER: US/09/422,978
  PRIOR FILING DATE: 1999-10-20
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
  NUMBER OF SEQ ID NOS: 11796
 SEQ ID NO 7724
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Homo Sapiens
   FEATURE:
   NAME/KEY: primer_bind
   LOCATION: 1..20
   OTHER INFORMATION: upstream amplification primer 99-19273 for SEQ 3790,
S-10-349-143-7724

 Query Match              0.7%;  Score 13.8;  DB 1;  Length 20;
 Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
 Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y        1978 TGCCCTCTGTCTGTCTT 1994
              ||||||| ||||| ||
b           1 TGCCCTCTCTCTGTGTT 17


ESULT 777
S-10-289-762-1948
 Sequence 1948, Application US/10289762
 Publication No. US20040006218A1
 GENERAL INFORMATION:
  APPLICANT: Griffais, R.
  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
  TITLE OF INVENTION:  and treatment of infection
  FILE REFERENCE: 9710-003-999
  CURRENT APPLICATION NUMBER: US/10/289,762
  CURRENT FILING DATE:  2003-03-27
  NUMBER OF SEQ ID NOS: 6849
 SEQ ID NO 1948
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Chlamydia pneumoniae
IS-10-289-762-1948

 Query Match              0.7%;  Score 13.8;  DB 1;  Length 20;
 Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
 Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1955 CAAGTGAGCCAAGAAAC 1971
              || |||| |||||||||
Db          4 CACGTGATCCAAGAAAC 20


RESULT 778
US-10-289-762-3817
; Sequence 3817, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 3817
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-3817

  Query Match              0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       862 TCTGGGGATCGGTTAGG 878
             ||||||||||  |||||
Db         4 TCTGGGGATCCCTTAGG 20


RESULT 779
US-10-289-762-3917/c
; Sequence 3917, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 3917
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-3917

  Query Match              0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1481 AAGGGGTCAAGGAGGAG 1497
              |||  ||||||||||||
Db         17 AAGACGTCAAGGAGGAG 1


RESULT 780
US-10-289-762-4382/c
; Sequence 4382, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, prev
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
```

; SEQ ID NO 4382
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-10-289-762-4382

 Query Match 0.7%; Score 13.8; DB 1; Length 20;
 Best Local Similarity 88.2%; Pred. No. 7.5e+02;
 Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 432 ACTTAATAAGCAGCAGA 448
 |||| |||||||| |||
Db 17 ACTTGATAAGCAGGAGA 1

RESULT 781
US-10-289-762-5538/c
; Sequence 5538, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
; APPLICANT: Griffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, preve
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/10/289,762
; CURRENT FILING DATE: 2003-03-27
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 5538
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-10-289-762-5538

 Query Match 0.7%; Score 13.8; DB 1; Length 20;
 Best Local Similarity 88.2%; Pred. No. 7.5e+02;
 Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 321 GTACAGCAAGCAGATGC 337
 ||| |||||| ||||||
Db 17 GTAGAGCAAGGAGATGC 1

RESULT 782
US-10-289-762-6831
; Sequence 6831, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
; APPLICANT: Griffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, preve
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/10/289,762
; CURRENT FILING DATE: 2003-03-27
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 6831
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-10-289-762-6831

 Query Match 0.7%; Score 13.8; DB 1; Length 20;
 Best Local Similarity 88.2%; Pred. No. 7.5e+02;
 Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1697 ACCTTGCCACCCATTCT 1713
 ||||||| | |||||||
Db 3 ACCTTGCAAACCATTCT 19

RESULT 783
US-10-210-589-60/c
; Sequence 60, Application US/10210589
; Publication No. US20040023381A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Nicholas M. Dean
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF PPP2R1A EXPRESSION
; FILE REFERENCE: PTS-0041
; CURRENT APPLICATION NUMBER: US/10/210,589
; CURRENT FILING DATE: 2002-07-30
; NUMBER OF SEQ ID NOS: 122
; SEQ ID NO 60
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-210-589-60

 Query Match 0.7%; Score 13.8; DB 1; Length 20;
 Best Local Similarity 88.2%; Pred. No. 7.5e+02;
 Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 415 GTGGCAAGTGCTGTGAA 431
 ||| | ||||||||||||
Db 19 GTGTCCAGTGCTGTGAA 3

RESULT 784
US-10-210-589-106
; Sequence 106, Application US/10210589
; Publication No. US20040023381A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Nicholas M. Dean
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF PPP2R1A EXPRESSION
; FILE REFERENCE: PTS-0041
; CURRENT APPLICATION NUMBER: US/10/210,589
; CURRENT FILING DATE: 2002-07-30
; NUMBER OF SEQ ID NOS: 122
; SEQ ID NO 106
; LENGTH: 20
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
US-10-210-589-106

 Query Match 0.7%; Score 13.8; DB 1; Length 20;
 Best Local Similarity 88.2%; Pred. No. 7.5e+02;
 Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 415 GTGGCAAGTGCTGTGAA 431
 ||| | ||||||||||||
Db 2 GTGTCCAGTGCTGTGAA 18

RESULT 785
US-10-210-838-24/c
; Sequence 24, Application US/10210838
; Publication No. US20040023905A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Sanjay Bhanot
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF LAR EXPRESSION
; FILE REFERENCE: PTS-0013
; CURRENT APPLICATION NUMBER: US/10/210,838
; CURRENT FILING DATE: 2002-07-31
; NUMBER OF SEQ ID NOS: 198
; SEQ ID NO 24
; LENGTH: 20

TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
S-10-210-838-24

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 624 CTACACCACGGACCGGG 640
|| |||||||| |||||
Db 17 CTCCACCACGGTCCGGG 1

RESULT 786
S-10-210-838-94/c
Sequence 94, Application US/10210838
Publication No. US20040023905A1
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF LAR EXPRESSION
FILE REFERENCE: PTS-0013
CURRENT APPLICATION NUMBER: US/10/210,838
CURRENT FILING DATE: 2002-07-31
NUMBER OF SEQ ID NOS: 198
SEQ ID NO 94
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
S-10-210-838-94

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 627 CACCACGGACCGGGTCA 643
|||||||| |||||| |
Db 19 CACCACGGTCCGGGTAA 3

RESULT 787
S-10-210-838-134
Sequence 134, Application US/10210838
Publication No. US20040023905A1
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF LAR EXPRESSION
FILE REFERENCE: PTS-0013
CURRENT APPLICATION NUMBER: US/10/210,838
CURRENT FILING DATE: 2002-07-31
NUMBER OF SEQ ID NOS: 198
SEQ ID NO 134
LENGTH: 20
TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
US-10-210-838-134

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 624 CTACACCACGGACCGGG 640
|| |||||||| |||||
Db 4 CTCCACCACGGTCCGGG 20

RESULT 788
US-10-280-183A-40
; Sequence 40, Application US/10280183A
; Publication No. US20040081964A1
; GENERAL INFORMATION:
; APPLICANT: Pfizer Inc.
; APPLICANT: Bachmanov, Alexander A
; APPLICANT: Beauchamp, Gary K.
; APPLICANT: Chatterjee, Aurobindo
; APPLICANT: De Jong, Pieter J.
; APPLICANT: Li, Shanru
; APPLICANT: Li, Xia
; APPLICANT: Ohmen, Jeffrey D
; APPLICANT: Reed, Danielle R.
; APPLICANT: Ross, David
; APPLICANT: Tordoff, Michael G.
; TITLE OF INVENTION: GENE AND SEQUENCE VARIATION ASSOCIATED WITH SENSING
; TITLE OF INVENTION: CARBOHYDRATE COMPOUNDS AND OTHER SWEETNERS
; FILE REFERENCE: PC18306A
; CURRENT APPLICATION NUMBER: US/10/280,183A
; CURRENT FILING DATE: 2002-10-25
; PRIOR APPLICATION NUMBER: 60/200,794
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 40
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Mouse
US-10-280-183A-40

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1981 CCTCTGTCTGTCTTCTC 1997
||||||||| | ||||
Db 2 CCTCTGTCTGCCATCTC 18

RESULT 789
US-10-280-183A-524
; Sequence 524, Application US/10280183A
; Publication No. US20040081964A1
; GENERAL INFORMATION:
; APPLICANT: Pfizer Inc.
; APPLICANT: Bachmanov, Alexander A
; APPLICANT: Beauchamp, Gary K.
; APPLICANT: Chatterjee, Aurobindo
; APPLICANT: De Jong, Pieter J.
; APPLICANT: Li, Shanru
; APPLICANT: Li, Xia
; APPLICANT: Ohmen, Jeffrey D
; APPLICANT: Reed, Danielle R.
; APPLICANT: Ross, David
; APPLICANT: Tordoff, Michael G.
; TITLE OF INVENTION: GENE AND SEQUENCE VARIATION ASSOCIATED WITH SENSING
; TITLE OF INVENTION: CARBOHYDRATE COMPOUNDS AND OTHER SWEETNERS
; FILE REFERENCE: PC18306A
; CURRENT APPLICATION NUMBER: US/10/280,183A
; CURRENT FILING DATE: 2002-10-25
; PRIOR APPLICATION NUMBER: 60/200,794
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 524
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Mouse
US-10-280-183A-524

```
  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1695 CCACCTTGCCACCCATT 1711
              | ||||||  ||||||||
Db          3 CAACCTTGACACCCATT 19


RESULT 790
US-10-280-183A-531/c
; Sequence 531, Application US/10280183A
; Publication No. US20040081964A1
; GENERAL INFORMATION:
;  APPLICANT: Pfizer Inc.
;  APPLICANT:  Bachmanov, Alexander A
;  APPLICANT:  Beauchamp, Gary K.
;  APPLICANT:  Chatterjee, Aurobindo
;  APPLICANT:  De  Jong, Pieter J.
;  APPLICANT:  Li, Shanru
;  APPLICANT:  Li, Xia
;  APPLICANT:  Ohmen, Jeffrey D
;  APPLICANT:  Reed, Danielle R.
;  APPLICANT:  Ross, David
;  APPLICANT:  Tordoff, Michael G.
;  TITLE OF INVENTION: GENE AND SEQUENCE VARIATION ASSOCIATED WITH SENSING
;  TITLE OF INVENTION:  CARBOHYDRATE COMPOUNDS AND OTHER SWEETNERS
;  FILE REFERENCE: PC18306A
;  CURRENT APPLICATION NUMBER: US/10/280,183A
;  CURRENT FILING DATE:  2002-10-25
;  PRIOR APPLICATION NUMBER: 60/200,794
;  PRIOR FILING DATE: 2000-04-28
;  NUMBER OF SEQ ID NOS: 652
;  SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 531
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Mouse
US-10-280-183A-531

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1981 CCTCTGTCTGTCTTCTC 1997
              |||||||||| | ||||
Db         19 CCTCTGTCTGCCATCTC 3


RESULT 791
US-10-010-167-21/c
; Sequence 21, Application US/10010167
; Publication No. US20040092729A1
;   GENERAL INFORMATION:
;        APPLICANT: Gudkov, Andrei
;                   Roninson, Igor B.
;        TITLE OF INVENTION: Genes And Genetic Elements Associated
;                            With Sensitivity To Chemotherapeutic Drugs
;        NUMBER OF SEQUENCES: 22
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Allegretti & Witcoff, Ltd.
;             STREET: 75 State Street
;             CITY: Boston
;             STATE: Massachusetts
;             COUNTRY: U.S.A.
;             ZIP: 02109
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/010,167
;             FILING DATE: 10-Dec-2001
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/09/568,315
;             FILING DATE: 09-May-2000
;             APPLICATION NUMBER: 08/480,552
;             FILING DATE: <Unknown>
;             APPLICATION NUMBER: 08/929,208
;             FILING DATE: 09-SEP-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Keown, Wayne A.
;             REGISTRATION NUMBER: 33,923
;             REFERENCE/DOCKET NUMBER: 93,354
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 617/345-9100
;             TELEFAX: 617/345-9111
;   INFORMATION FOR SEQ ID NO: 21:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: cDNA
;        HYPOTHETICAL: NO
;        ANTI-SENSE: YES
;        SEQUENCE DESCRIPTION: SEQ ID NO: 21:
US-10-010-167-21

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        775 GAGGCCATTTTCAAGCC 791
              |||  ||||||||||||
Db         20 GAGCTCATTTTCAAGCC 4


RESULT 792
US-10-293-869-27/c
; Sequence 27, Application US/10293869
; Publication No. US20040097440A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Nicholas M. Dean
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF JUMONJI EXPRESSION
;  FILE REFERENCE: HTS-0012
;  CURRENT APPLICATION NUMBER: US/10/293,869
;  CURRENT FILING DATE:  2002-11-11
;  NUMBER OF SEQ ID NOS: 72
; SEQ ID NO 27
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-293-869-27

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1246 GATGAGGACGAAGACGA 1262
              |||||||| |||| |||
Db         17 GATGAGGAGGAAGTCGA 1


RESULT 793
US-10-293-869-60
; Sequence 60, Application US/10293869
; Publication No. US20040097440A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
```

APPLICANT: Nicholas M. Dean
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF JUMONJI EXPRESSION
FILE REFERENCE: HTS-0012
CURRENT APPLICATION NUMBER: US/10/293,869
CURRENT FILING DATE: 2002-11-11
NUMBER OF SEQ ID NOS: 72
SEQ ID NO 60
LENGTH: 20
TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
3-10-293-869-60

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1246 GATGAGGACGAAGACGA 1262
||||||||| |||| |||
Db 4 GATGAGGAGGAAGTCGA 20

ESULT 794
S-10-316-459-55/c
Sequence 55, Application US/10316459
Publication No. US20040110149A1
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Ravi Jain
TITLE OF INVENTION: MODULATION OF BUB1-BETA EXPRESSION
FILE REFERENCE: RTS-0461
CURRENT APPLICATION NUMBER: US/10/316,459
CURRENT FILING DATE: 2002-12-10
NUMBER OF SEQ ID NOS: 169
SEQ ID NO 55
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
S-10-316-459-55

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1960 GAGCCAAGAAACACTGC 1976
| |||||||||| ||||
Db 20 GCGCCAAGAAACTCTGC 4

ESULT 795
S-10-316-459-133
Sequence 133, Application US/10316459
Publication No. US20040110149A1
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Ravi Jain
TITLE OF INVENTION: MODULATION OF BUB1-BETA EXPRESSION
FILE REFERENCE: RTS-0461
CURRENT APPLICATION NUMBER: US/10/316,459
CURRENT FILING DATE: 2002-12-10
NUMBER OF SEQ ID NOS: 169
SEQ ID NO 133
LENGTH: 20
TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
US-10-316-459-133

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1960 GAGCCAAGAAACACTGC 1976
| |||||||||| ||||
Db 1 GCGCCAAGAAACTCTGC 17

RESULT 796
US-10-317-280-22/c
Sequence 22, Application US/10317280
Publication No. US20040110160A1
GENERAL INFORMATION:
APPLICANT: Kenneth W. Dobie
APPLICANT: Tamara Balac Sipes
TITLE OF INVENTION: MODULATION OF SEDL EXPRESSION
FILE REFERENCE: RTS-0459
CURRENT APPLICATION NUMBER: US/10/317,280
CURRENT FILING DATE: 2002-12-10
NUMBER OF SEQ ID NOS: 157
SEQ ID NO 22
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-10-317-280-22

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1467 GAAGCCAGAAGCCAAAG 1483
|||| ||||| ||||||
Db 19 GAAGGCAGAATCCAAAG 3

RESULT 797
US-10-317-280-98
Sequence 98, Application US/10317280
Publication No. US20040110160A1
GENERAL INFORMATION:
APPLICANT: Kenneth W. Dobie
APPLICANT: Tamara Balac Sipes
TITLE OF INVENTION: MODULATION OF SEDL EXPRESSION
FILE REFERENCE: RTS-0459
CURRENT APPLICATION NUMBER: US/10/317,280
CURRENT FILING DATE: 2002-12-10
NUMBER OF SEQ ID NOS: 157
SEQ ID NO 98
LENGTH: 20
TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
US-10-317-280-98

Query Match 0.7%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 7.5e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1467 GAAGCCAGAAGCCAAAG 1483
|||| ||||| ||||||
Db 2 GAAGGCAGAATCCAAAG 18

RESULT 798
US-10-317-500-69
Sequence 69, Application US/10317500
Publication No. US20040115637A1
GENERAL INFORMATION:
APPLICANT: Robert McKay
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF PPAR-ALPHA EXPRESSION
FILE REFERENCE: RTS-0380

```
;  CURRENT APPLICATION NUMBER: US/10/317,500
;  CURRENT FILING DATE:  2002-12-11
;  NUMBER OF SEQ ID NOS: 276
; SEQ ID NO 69
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-317-500-69

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2003 TCTGCAGGTGGAGGTTG 2019
              ||||||||||||| ||
Db          3 TCTGCAGGTGGAGTCTG 19


RESULT 799
US-10-317-803-151/c
; Sequence 151, Application US/10317803
; Publication No. US20040115640A1
; GENERAL INFORMATION:
;  APPLICANT: Kathleen Myers
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF ANGIOPOIETIN-2 EXPRESSION
;  FILE REFERENCE: RTS-0454
;  CURRENT APPLICATION NUMBER: US/10/317,803
;  CURRENT FILING DATE:  2002-12-11
;  NUMBER OF SEQ ID NOS: 244
; SEQ ID NO 151
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-317-803-151

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        665 ATGGAGAGTACTTCCCA 681
              ||||| |||||| ||||
Db         20 ATGGACAGTACTACCCA 4


RESULT 800
US-10-317-803-223
; Sequence 223, Application US/10317803
; Publication No. US20040115640A1
; GENERAL INFORMATION:
;  APPLICANT: Kathleen Myers
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF ANGIOPOIETIN-2 EXPRESSION
;  FILE REFERENCE: RTS-0454
;  CURRENT APPLICATION NUMBER: US/10/317,803
;  CURRENT FILING DATE:  2002-12-11
;  NUMBER OF SEQ ID NOS: 244
; SEQ ID NO 223
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: M. musculus
;   FEATURE:
US-10-317-803-223

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        665 ATGGAGAGTACTTCCCA 681
              ||||| |||||| ||||
Db          1 ATGGACAGTACTACCCA 17


RESULT 801
US-10-181-174B-36
; Sequence 36, Application US/10181174B
; Publication No. US20040132674A1
; GENERAL INFORMATION:
;  APPLICANT: RESKE-KUNZ, A.B.
;  APPLICANT:  ROSS, XIAOLAN
;  APPLICANT:  ROSS, RALF
;  APPLICANT:  BROS, MATTHIAS
;  TITLE OF INVENTION: A REGULATORY SEQUENCE FOR SPECIFIC EXPRESSION IN
;  TITLE OF INVENTION:  DENDRITIC CELLS AND USES THEREOF
;  FILE REFERENCE: VOS-38
;  CURRENT APPLICATION NUMBER: US/10/181,174B
;  CURRENT FILING DATE:  2002-07-12
;  PRIOR APPLICATION NUMBER: P 100 01 169.1
;  PRIOR FILING DATE: 2000-01-13
;  PRIOR APPLICATION NUMBER: P 100 10 188.7
;  PRIOR FILING DATE: 2000-03-02
;  NUMBER OF SEQ ID NOS: 72
;  SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 36
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: primer
US-10-181-174B-36

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1842 AACATTCTAGAAGGGGT 1858
              ||  ||||||||||||||
Db          1 AAGCTTCTAGAAGGGGT 17


RESULT 802
US-10-671-395-734
; Sequence 734, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Gierse, James K
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: 1179/1/US
;  CURRENT APPLICATION NUMBER: US/10/671,395
;  CURRENT FILING DATE:  2003-09-25
;  PRIOR APPLICATION NUMBER: 60/413,549
;  PRIOR FILING DATE: 2002-09-25
;  NUMBER OF SEQ ID NOS: 1809
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 734
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-734

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1045 CTTCCATACAATGACTA 1061
              |||||||  ||||||||
Db          3 CTTCCATTTAATGACTA 19
```

```
:SULT 803
;-10-671-395-735
 Sequence 735, Application US/10671395
 Publication No. US20040132063A1
 GENERAL INFORMATION:
  APPLICANT: Pharmacia Corp.
  APPLICANT:  Gierse, James K
  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
  TITLE OF INVENTION:  EXPRESSION
  FILE REFERENCE: 1179/1/US
  CURRENT APPLICATION NUMBER: US/10/671,395
  CURRENT FILING DATE:  2003-09-25
  PRIOR APPLICATION NUMBER: 60/413,549
  PRIOR FILING DATE: 2002-09-25
  NUMBER OF SEQ ID NOS: 1809
  SOFTWARE: PatentIn version 3.2
 SEQ ID NO 735
    LENGTH: 20
    TYPE: DNA
    ORGANISM: artificial
    FEATURE:
    OTHER INFORMATION: Human PGE2 antisense
S-10-671-395-735

 Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
 Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
 Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Y       1045 CTTCCATACAATGACTA 1061
             ||||||| ||||||||
D          4 CTTCCATTTAATGACTA 20


ESULT 804
S-10-671-395-999
 Sequence 999, Application US/10671395
 Publication No. US20040132063A1
 GENERAL INFORMATION:
  APPLICANT: Pharmacia Corp.
  APPLICANT:  Gierse, James K
  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
  TITLE OF INVENTION:  EXPRESSION
  FILE REFERENCE: 1179/1/US
  CURRENT APPLICATION NUMBER: US/10/671,395
  CURRENT FILING DATE:  2003-09-25
  PRIOR APPLICATION NUMBER: 60/413,549
  PRIOR FILING DATE: 2002-09-25
  NUMBER OF SEQ ID NOS: 1809
  SOFTWARE: PatentIn version 3.2
 SEQ ID NO 999
    LENGTH: 20
    TYPE: DNA
    ORGANISM: artificial
    FEATURE:
    OTHER INFORMATION: Human PGE2 antisense
IS-10-671-395-999

 Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
 Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
 Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy      1045 CTTCCATACAATGACTA 1061
             ||||||| ||||||||
Db         1 CTTCCATTTAATGACTA 17


RESULT 805
US-10-671-395-1006
; Sequence 1006, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Gierse, James K
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: 1179/1/US
;  CURRENT APPLICATION NUMBER: US/10/671,395
;  CURRENT FILING DATE:  2003-09-25
;  PRIOR APPLICATION NUMBER: 60/413,549
;  PRIOR FILING DATE: 2002-09-25
;  NUMBER OF SEQ ID NOS: 1809
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1006
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: artificial
;    FEATURE:
;    OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-1006

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy      1045 CTTCCATACAATGACTA 1061
             ||||||| ||||||||
Db         2 CTTCCATTTAATGACTA 18


RESULT 806
US-10-346-268-114/c
; Sequence 114, Application US/10346268
; Publication No. US20040137441A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Nicholas M. Dean
;  APPLICANT:  Kenneth W. Dobie
;  APPLICANT:  Ravi Jain
;  TITLE OF INVENTION: MODULATION OF THYROID HORMONE RECEPTOR INTERACTOR 3 EXPRESSION
;  FILE REFERENCE: PTS-0076
;  CURRENT APPLICATION NUMBER: US/10/346,268
;  CURRENT FILING DATE:  2003-01-15
;  NUMBER OF SEQ ID NOS: 200
; SEQ ID NO 114
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Antisense Oligonucleotide
US-10-346-268-114

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy      1244 GCGATGAGGACGAAGAC 1260
             | |||||||| ||||||
Db        18 GTGATGAGGAAGAAGAC 2


RESULT 807
US-10-099-791E-12
; Sequence 12, Application US/10099791E
; Publication No. US20040167086A1
; GENERAL INFORMATION:
;  APPLICANT: Heiskala, Marja
;  TITLE OF INVENTION: REG-LIKE PROTEIN
;  FILE REFERENCE: CEN0285 NP
;  CURRENT APPLICATION NUMBER: US/10/099,791E
;  CURRENT FILING DATE:  2002-03-14
;  PRIOR APPLICATION NUMBER: 60/276,305
;  PRIOR FILING DATE: 2001-03-16
;  NUMBER OF SEQ ID NOS: 45
;  SOFTWARE: PatentIn version 3.0
```

```
; SEQ ID NO 12
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: primer_bind
;   OTHER INFORMATION: PCR primer elements
US-10-099-791E-12

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1010 CAGCTGTGGCCCTGGAT 1026
              ||||||||  |||||||
Db          1 CAGCTGTGCTCCTGGAT 17


RESULT 808
US-10-257-309-15/c
; Sequence 15, Application US/10257309
; Publication No. US20040166559A1
; GENERAL INFORMATION:
;  APPLICANT: Imperial College Innovations Limited
;  TITLE OF INVENTION: Vectors for Gene Therapy
;  FILE REFERENCE: ICOW/P24424PC
;  CURRENT APPLICATION NUMBER: US/10/257,309
;  CURRENT FILING DATE:  2002-10-10
;  NUMBER OF SEQ ID NOS: 20
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 15
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-257-309-15

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 7.5e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        935 TTAACCTGCCTATGCTG 951
              ||  |||||  ||||||||
Db         19 TTGACCTGGCTATGCTG 3


RESULT 809
US-09-860-784-61
; Sequence 61, Application US/09860784
; Patent No. US20020151512A1
;   GENERAL INFORMATION:
;        APPLICANT: PEYMAN, Anuschirwan
;                   UHLMANN, Eugen
;        TITLE OF INVENTION: G CAP-STABILIZED OLIGONUCLEOTIDES
;        NUMBER OF SEQUENCES: 105
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Foley & Lardner
;             STREET: 3000 K Street, N.W., Suite 500
;             CITY: Washington
;             STATE: D.C.
;             COUNTRY: USA
;             ZIP: 20007-5109
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/860,784
;             FILING DATE: 21-May-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/594,452
;             FILING DATE: 04-APR-1996
;        ATTORNEY/AGENT INFORMATION:
;             NAME: SANDERCOCK, Colin G.
;             REGISTRATION NUMBER: 31,298
;             REFERENCE/DOCKET NUMBER: 18748/264/HOCE
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (202)672-5300
;             TELEFAX: (202)672-5399
;             TELEX: 904136
;   INFORMATION FOR SEQ ID NO: 61:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 21 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 61:
US-09-860-784-61

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 8e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1854 GGGGTGGCTGGGTCTTC 1870
              ||||||  | |||||||||
Db          1 GGGGTGCCGGGGTCTTC 17


RESULT 810
US-10-252-155-501/c
; Sequence 501, Application US/10252155
; Publication No. US20040068096A1
; GENERAL INFORMATION:
;  APPLICANT: Bristol-Myers Squibb Company
;  TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS IN ORGANIC ANION TRANSPORT
;  TITLE OF INVENTION:  MULTI-DRUG RESISTANT PROTEINS
;  FILE REFERENCE: D0152 NP
;  CURRENT APPLICATION NUMBER: US/10/252,155
;  CURRENT FILING DATE:  2002-09-20
;  PRIOR APPLICATION NUMBER: US 60/324,172
;  PRIOR FILING DATE: 2001-09-21
;  PRIOR APPLICATION NUMBER: US 60/333,700
;  PRIOR FILING DATE: 2001-11-27
;  NUMBER OF SEQ ID NOS: 783
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 501
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-252-155-501

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 8e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        416 TGGCAAGTGCTGTGAAA 432
              ||||  ||||  |||||||
Db         18 TGGCTAGTGGTGTGAAA 2


RESULT 811
US-10-252-155-510/c
; Sequence 510, Application US/10252155
; Publication No. US20040068096A1
; GENERAL INFORMATION:
;  APPLICANT: Bristol-Myers Squibb Company
;  TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS IN ORGANIC ANION TRANSPORT
;  TITLE OF INVENTION:  MULTI-DRUG RESISTANT PROTEINS
;  FILE REFERENCE: D0152 NP
;  CURRENT APPLICATION NUMBER: US/10/252,155
;  CURRENT FILING DATE:  2002-09-20
;  PRIOR APPLICATION NUMBER: US 60/324,172
;  PRIOR FILING DATE: 2001-09-21
```

PRIOR APPLICATION NUMBER: US 60/333,700
PRIOR FILING DATE: 2001-11-27
NUMBER OF SEQ ID NOS: 783
SOFTWARE: PatentIn version 3.1
SEQ ID NO 510
LENGTH: 21
TYPE: DNA
ORGANISM: Homo sapiens
3-10-252-155-510

Query Match 0.7%; Score 13.8; DB 1; Length 21;
Best Local Similarity 88.2%; Pred. No. 8e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 416 TGGCAAGTGCTGTGAAA 432
|||| |||| |||||||
Db 18 TGGCTAGTGGTGTGAAA 2

ESULT 812
S-10-090-378-7
Sequence 7, Application US/10090378
Publication No. US20020115830A1
GENERAL INFORMATION:
APPLICANT: Panganiban, Antonito
APPLICANT: Callahan, Mark A.
TITLE OF INVENTION: Method of Identifying Modulators of HIV-1 VPU and GAG
TITLE OF INVENTION: Interaction with U Binding Protein (UBP)
FILE REFERENCE: 960296.95335
CURRENT APPLICATION NUMBER: US/10/090,378
CURRENT FILING DATE: 2002-03-04
PRIOR APPLICATION NUMBER: US/09/301,978C
PRIOR FILING DATE: 1999-04-29
PRIOR APPLICATION NUMBER: 60/083,567
PRIOR FILING DATE: 1998-04-30
NUMBER OF SEQ ID NOS: 29
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 7
LENGTH: 21
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:Oligonucleotide
OTHER INFORMATION: Primer
S-10-090-378-7

Query Match 0.7%; Score 13.8; DB 1; Length 21;
Best Local Similarity 88.2%; Pred. No. 8e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1446 AGAGGAGAAAACCAAGG 1462
||| |||| ||||||||
Db 5 AGATGAGAGAACCAAGG 21

ESULT 813
JS-10-066-151-45/c
Sequence 45, Application US/10066151
Publication No. US20020132300A1
GENERAL INFORMATION:
APPLICANT: Hogan, Patrick G.
APPLICANT: Rao, Anjana
APPLICANT: Aramburu, Jose
TITLE OF INVENTION: SPECIFIC INHIBITORS OF NFAT ACTIVATION
TITLE OF INVENTION: BY CALCINEURIN AND THEIR USE IN TREATING IMMUNE-RELATED
TITLE OF INVENTION: DISEASES
FILE REFERENCE: 10861-004002
CURRENT APPLICATION NUMBER: US/10/066,151
CURRENT FILING DATE: 2002-01-31
PRIOR APPLICATION NUMBER: 09/248,620
PRIOR FILING DATE: 1999-02-11
PRIOR APPLICATION NUMBER: 60/074,467
PRIOR FILING DATE: 1998-02-12
NUMBER OF SEQ ID NOS: 114
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 45
LENGTH: 21
TYPE: DNA
ORGANISM: Homo sapiens
US-10-066-151-45

Query Match 0.7%; Score 13.8; DB 1; Length 21;
Best Local Similarity 88.2%; Pred. No. 8e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1060 TACTTTGAATACTTTGG 1076
|| |||||||||||| ||
Db 19 TAATTTGAATACTTGGG 3

RESULT 814
US-10-358-052-45/c
Sequence 45, Application US/10358052
Publication No. US20040002117A1
GENERAL INFORMATION:
APPLICANT: Hogan, Patrick G.
APPLICANT: Rao, Anjana
APPLICANT: Aramburu, Jose
APPLICANT: Roehrl, Michael H.A.
APPLICANT: Wagner, Gerhard
APPLICANT: Kang, Sunghyun
TITLE OF INVENTION: SPECIFIC INHIBITORS OF NFAT ACTIVATION
TITLE OF INVENTION: BY CALCINEURIN AND THEIR USE IN TREATING IMMUNE-RELATED
TITLE OF INVENTION: DISEASES
FILE REFERENCE: 10861-028001
CURRENT APPLICATION NUMBER: US/10/358,052
CURRENT FILING DATE: 2003-02-04
PRIOR APPLICATION NUMBER: US 10/066,151
PRIOR FILING DATE: 2002-01-31
PRIOR APPLICATION NUMBER: 09/248,620
PRIOR FILING DATE: 1999-02-11
PRIOR APPLICATION NUMBER: 60/074,467
PRIOR FILING DATE: 1998-02-12
NUMBER OF SEQ ID NOS: 117
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 45
LENGTH: 21
TYPE: DNA
ORGANISM: Homo sapiens
US-10-358-052-45

Query Match 0.7%; Score 13.8; DB 1; Length 21;
Best Local Similarity 88.2%; Pred. No. 8e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1060 TACTTTGAATACTTTGG 1076
|| |||||||||||| ||
Db 19 TAATTTGAATACTTGGG 3

RESULT 815
US-10-364-029-19
Sequence 19, Application US/10364029
Publication No. US20040005301A1
GENERAL INFORMATION:
APPLICANT: Goldman, Steven A.
APPLICANT: Keyoung, Hansoo Michael
TITLE OF INVENTION: IDENTIFICATION AND HIGH-YIELD ISOLATION OF HUMAN
TITLE OF INVENTION: PANCREATIC ISLET PROGENITOR AND STEM CELLS
FILE REFERENCE: 19603/4081
CURRENT APPLICATION NUMBER: US/10/364,029
CURRENT FILING DATE: 2003-02-10
PRIOR APPLICATION NUMBER: 60/356,556
PRIOR FILING DATE: 2002-02-12
NUMBER OF SEQ ID NOS: 23
SOFTWARE: PatentIn Ver. 2.1

```
; SEQ ID NO 19
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: oligonucleotide primers
US-10-364-029-19

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 8e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1179 GCTGCCGCACGCACCTG 1195
              ||||||||||||  |||
Db          1 GCTGCCGCACGCCTCTG 17


RESULT 816
US-10-349-143-8357/c
; Sequence 8357, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 8357
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..21
;   OTHER INFORMATION: downstream amplification primer 99-1494 for SEQ 492, in complemen
US-10-349-143-8357

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 8e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1667 AGCTGTGCTGGGTGAGC 1683
              ||||||||  |||||||
Db         17 AGCTGTGCAAGGTGAGC 1


RESULT 817
US-10-349-143-8709/c
; Sequence 8709, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 8709
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..21
;   OTHER INFORMATION: downstream amplification primer 99-17758 for SEQ 844, in complem
US-10-349-143-8709

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 8e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        658 CATAAGTATGGAGAGTA 674
              ||||||  |||  ||||||
Db         18 CATAAGAATGAAGAGTA 2


RESULT 818
US-10-349-143-8865
; Sequence 8865, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 8865
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..21
;   OTHER INFORMATION: downstream amplification primer 99-18777 for SEQ 1000, in complem
US-10-349-143-8865

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 8e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1308 CTGTGAGGAAGAGTTCT 1324
              ||||||  |||||||||
Db          1 CTGTGAAAAAGAGTTCT 17


RESULT 819
US-10-642-763-12
; Sequence 12, Application US/10642763
; Publication No. US20040076640A1
; GENERAL INFORMATION:
;  APPLICANT: INSTITUT DE RECHERCHE POUR LE DEVELOPPEMENT (IRD)
;  TITLE OF INVENTION: Immunogenic Compositions for Use as Vaccines
;  FILE REFERENCE: IRD - VEAS
```

```
  CURRENT APPLICATION NUMBER: US/10/642,763
  CURRENT FILING DATE:  2003-08-19
  PRIOR APPLICATION NUMBER: US/09/913,525
  PRIOR FILING DATE: 2001-08-15
  PRIOR APPLICATION NUMBER: 99/01794
  PRIOR FILING DATE: 1999-02-15
  NUMBER OF SEQ ID NOS: 22
  SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 12
    LENGTH: 21
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Description of Artificial Sequence: FOR-CD4
S-10-642-763-12

 Query Match             0.7%;  Score 13.8;  DB 1;  Length 21;
 Best Local Similarity   88.2%;  Pred. No. 8e+02;
 Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        943 CCTATGCTGATGCTGGG 959
              |||| |||||||||| |
Db          1 CCTAAGCTGATGCTGAG 17


RESULT 820
S-10-642-763-17
 Sequence 17, Application US/10642763
 Publication No. US20040076640A1
 GENERAL INFORMATION:
  APPLICANT: INSTITUT DE RECHERCHE POUR LE DEVELOPPEMENT (IRD)
  TITLE OF INVENTION: Immunogenic Compositions for Use as Vaccines
  FILE REFERENCE: IRD - VEAS
  CURRENT APPLICATION NUMBER: US/10/642,763
  CURRENT FILING DATE:  2003-08-19
  PRIOR APPLICATION NUMBER: US/09/913,525
  PRIOR FILING DATE: 2001-08-15
  PRIOR APPLICATION NUMBER: 99/01794
  PRIOR FILING DATE: 1999-02-15
  NUMBER OF SEQ ID NOS: 22
  SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 17
    LENGTH: 21
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Description of Artificial Sequence: FOR-CD4
S-10-642-763-17

 Query Match             0.7%;  Score 13.8;  DB 1;  Length 21;
 Best Local Similarity   88.2%;  Pred. No. 8e+02;
 Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        943 CCTATGCTGATGCTGGG 959
              |||| |||||||||| |
Db          1 CCTAAGCTGATGCTGAG 17


RESULT 821
S-10-344-124-34
; Sequence 34, Application US/10344124
; Publication No. US20040101867A1
; GENERAL INFORMATION:
;  APPLICANT: Fritzsche, Markus
;  TITLE OF INVENTION: Use of microbial DNA sequences for the identification
;  TITLE OF INVENTION:  of  diseases
;  FILE REFERENCE: 11201/15
;  CURRENT APPLICATION NUMBER: US/10/344,124
;  CURRENT FILING DATE:  2003-02-07
;  PRIOR APPLICATION NUMBER: PCT/IB00/01127
;  PRIOR FILING DATE: 2000-08-16
;  NUMBER OF SEQ ID NOS: 56
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 34
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Plasmodium falciparum
US-10-344-124-34

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 8e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1613 TTTATTAAATATAAATA 1629
              ||| ||||||| |||||
Db          5 TTTTTTAAATAAAAATA 21


RESULT 822
US-10-605-498-73/c
; Sequence 73, Application US/10605498
; Publication No. US20040127441A1
; GENERAL INFORMATION:
;  APPLICANT: Gleave, Martin
;  APPLICANT:  Rocchi, Palma
;  APPLICANT:  Signaevsky, Maxim
;  TITLE OF INVENTION: Compositions and Methods for Treatment of Prostate and Other
;  TITLE OF INVENTION:  Cancers
;  FILE REFERENCE: UBC.P-031
;  CURRENT APPLICATION NUMBER: US/10/605,498
;  CURRENT FILING DATE:  2003-10-02
;  PRIOR APPLICATION NUMBER: US 60/415,859
;  PRIOR FILING DATE: 2002-10-02
;  PRIOR APPLICATION NUMBER: US 60/463,952
;  PRIOR FILING DATE: 2003-04-18
;  NUMBER OF SEQ ID NOS: 91
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 73
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-605-498-73

  Query Match             0.7%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 8e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1875 ATCTCCTGTTTTTTTCA 1891
              |||| |||||||| |||
Db         18 ATCTTCTGTTTTTCTCA 2


RESULT 823
US-10-627-253A-291
; Sequence 291, Application US/10627253A
; Publication No. US20040161768A1
; GENERAL INFORMATION:
;  APPLICANT: BRINKMANN, ULRICH
;  APPLICANT:  HOFFMEYER, SVEN
;  APPLICANT:  MORNHINWEG, ESTHER
;  TITLE OF INVENTION: POLYMORPHISMS IN THE HUMAN GENE FOR THE MULTIDRUG
;  TITLE OF INVENTION:  RESISTANCE-ASSOCIATED PROTEIN 1 (MRP-1) AND THEIR USE IN
;  TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC APPLICATIONS
;  FILE REFERENCE: VOS-42 CON
;  CURRENT APPLICATION NUMBER: US/10/627,253A
;  CURRENT FILING DATE:  2003-07-24
;  PRIOR APPLICATION NUMBER: PCT/EP02/00796
;  PRIOR FILING DATE: 2002-01-25
;  PRIOR APPLICATION NUMBER: EP 01101651.6
;  PRIOR FILING DATE: 2001-01-26
;  NUMBER OF SEQ ID NOS: 406
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 291
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
```

; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide
US-10-627-253A-291

 Query Match 0.7%; Score 13.8; DB 1; Length 21;
 Best Local Similarity 88.2%; Pred. No. 8e+02;
 Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1008 GACAGCTGTGGCCCTGG 1024
 | ||||||||| |||||
Db 5 GGCAGCTGTGGACCTGG 21

RESULT 824
US-10-627-253A-292/c
; Sequence 292, Application US/10627253A
; Publication No. US20040161768A1
; GENERAL INFORMATION:
; APPLICANT: BRINKMANN, ULRICH
; APPLICANT: HOFFMEYER, SVEN
; APPLICANT: MORNHINWEG, ESTHER
; TITLE OF INVENTION: POLYMORPHISMS IN THE HUMAN GENE FOR THE MULTIDRUG
; TITLE OF INVENTION: RESISTANCE-ASSOCIATED PROTEIN 1 (MRP-1) AND THEIR USE IN
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC APPLICATIONS
; FILE REFERENCE: VOS-42 CON
; CURRENT APPLICATION NUMBER: US/10/627,253A
; CURRENT FILING DATE: 2003-07-24
; PRIOR APPLICATION NUMBER: PCT/EP02/00796
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: EP 01101651.6
; PRIOR FILING DATE: 2001-01-26
; NUMBER OF SEQ ID NOS: 406
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 292
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide
US-10-627-253A-292

 Query Match 0.7%; Score 13.8; DB 1; Length 21;
 Best Local Similarity 88.2%; Pred. No. 8e+02;
 Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1008 GACAGCTGTGGCCCTGG 1024
 | ||||||||| |||||
Db 17 GGCAGCTGTGGACCTGG 1

RESULT 825
US-08-983-605-432
; Sequence 432, Application US/08983605A
; Publication No. US20020066118A1
; GENERAL INFORMATION:
; APPLICANT: Roder, Marion
; TITLE OF INVENTION: Microsatellite Markers for Plants of the Species
; TITLE OF INVENTION: Triticum Aestivum and Tribe Triticase and the Use of
; TITLE OF INVENTION: Said Markers
; FILE REFERENCE: 2936.10400
; CURRENT APPLICATION NUMBER: US/08/983,605A
; CURRENT FILING DATE: 1998-05-01
; EARLIER APPLICATION NUMBER: DE 195 25 284.5
; EARLIER FILING DATE: 1995-06-28
; NUMBER OF SEQ ID NOS: 466
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 432
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Triticum aestivum
US-08-983-605-432

 Query Match 0.7%; Score 13.6; DB 1; Length 20;
 Best Local Similarity 80.0%; Pred. No. 8.1e+02;
 Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 281 TTAAATTCTTGCGCTCCATC 300
 | || |||||| |||||||
Db 1 TCAACTTCTTGGCCTCCATC 20

RESULT 826
US-09-734-846-35/c
; Sequence 35, Application US/09734846
; Patent No. US20010007025A1
; GENERAL INFORMATION:
; APPLICANT: Bennett, C. Frank
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Nickoloff, Brian J.
; APPLICANT: Zhang, QingQing
; TITLE OF INVENTION: Antisense Modulation of bcl-x Expression
; FILE REFERENCE: ISPH-0528
; CURRENT APPLICATION NUMBER: US/09/734,846
; CURRENT FILING DATE: 2000-12-12
; PRIOR APPLICATION NUMBER: 09/277,020
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 09/167,921
; PRIOR FILING DATE: 1998-10-07
; PRIOR APPLICATION NUMBER: 09/323,743
; PRIOR FILING DATE: 1999-06-02
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 35
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-734-846-35

 Query Match 0.7%; Score 13.6; DB 1; Length 20;
 Best Local Similarity 80.0%; Pred. No. 8.1e+02;
 Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1763 GATACTTTTATGCAACCATA 1782
 ||||||||| || ||| ||
Db 20 GATACTTTTGTGGAACTCTA 1

RESULT 827
US-09-802-669-151
; Sequence 151, Application US/09802669
; Patent No. US20020004490A1
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcusson, Eric G.
; APPLICANT: Wyatt, Jacqueline
; APPLICANT: Zhang, Hong
; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-545
; CURRENT APPLICATION NUMBER: US/09/802,669
; CURRENT FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: US 09/665,615
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 09/290,640
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 151
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-802-669-151

```
Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

,       1828 AGGTGCCCTTATTGAACATT 1847
             | | | | ||||||||||||
)          1 ATGGGACATTATTGAACATT 20


ESULT 828
3-09-482-520-5/c
 Sequence 5, Application US/09482520
 Patent No. US20020032913A1
 GENERAL INFORMATION:
  APPLICANT: AIGAKI, Toshiro
  TITLE OF INVENTION: GENE SEARCH VECTOR AND GENE SEARCH METHOD
  FILE REFERENCE: 2000-0030*/LC/00653
  CURRENT APPLICATION NUMBER: US/09/482,520
  CURRENT FILING DATE:  2000-01-14
  PRIOR APPLICATION NUMBER: JP 200888/1998
  PRIOR FILING DATE: 1998-07-15
  NUMBER OF SEQ ID NOS: 6
  SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 5
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence: SYNTHESIZED
   OTHER INFORMATION: OLIGONUCLEOTIDE
3-09-482-520-5

 Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
 Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
 Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

y       1703 CCACCCATTCTTCCCGTTCT 1722
             || |  |||||||| |||||
b         20 CCGCGAATTCTTCCAGTTCT 1


ESULT 829
S-09-734-847A-46/c
 Sequence 46, Application US/09734847A
 Patent No. US20020049173A1
 GENERAL INFORMATION:
  APPLICANT: Bennett, C. Frank
  APPLICANT:  Crooke, Stanley T.
  APPLICANT:  Manoharan, Muthiah
  APPLICANT:  Wyatt, Jacqueline R.
  APPLICANT:  Baker, Brenda F.
  APPLICANT:  Monia, Brett P.
  APPLICANT:  Freir, Susan
  APPLICANT:  McKay, Robert
  APPLICANT:  Karras, James G.
  TITLE OF INVENTION: Alteration of Cellular Behavior by Antisense Modulation of mRNA F
  FILE REFERENCE: ISPH-0524
  CURRENT APPLICATION NUMBER: US/09/734,847A
  CURRENT FILING DATE:  2000-12-12
  PRIOR APPLICATION NUMBER: 09/167,921
  PRIOR FILING DATE: 1998-10-07
  PRIOR APPLICATION NUMBER: 09/277,020
  PRIOR FILING DATE: 1999-03-26
  NUMBER OF SEQ ID NOS: 71
  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 46
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
JS-09-734-847A-46

  Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1763 GATACTTTTATGCAACCATA 1782
              |||||||||  ||  |||  ||
Db         20 GATACTTTTGTGGAACTCTA 1


RESULT 830
US-09-854-883-233/c
; Sequence 233, Application US/09854883
; Patent No. US20020055479A1
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  APPLICANT:  Jacqueline Wyatt
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Brett P. Monia
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Robert McKay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PTP1B EXPRESSION
;  FILE REFERENCE: ISPH-0576
;  CURRENT APPLICATION NUMBER: US/09/854,883
;  CURRENT FILING DATE:  2001-05-14
;  PRIOR APPLICATION NUMBER: US 09/629,644
;  PRIOR FILING DATE: 2000-07-31
;  PRIOR APPLICATION NUMBER: US 09/487,368
;  PRIOR FILING DATE: 2000-01-18
;  NUMBER OF SEQ ID NOS: 389
; SEQ ID NO 233
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-854-883-233

  Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       238 GCCAATGCTGAGGAGATGAC 257
             ||  | ||||||||||||| |
Db        20 GCACAGGCTGAGGAGATGGC 1


RESULT 831
US-09-800-631-31
; Sequence 31, Application US/09800631
; Patent No. US20020082228A1
; GENERAL INFORMATION:
;  APPLICANT: Hong Zhang
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF BH3 INTERACTING DOMAIN DEATH AGONIST EXPI
;  FILE REFERENCE: ISPH-0544
;  CURRENT APPLICATION NUMBER: US/09/800,631
;  CURRENT FILING DATE:  2001-03-07
;  PRIOR APPLICATION NUMBER: US/09/657,346
;  PRIOR FILING DATE: 2000-09-07
;  NUMBER OF SEQ ID NOS: 175
; SEQ ID NO 31
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-800-631-31

  Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;
```

```
Qy          64 ATGGCGCAGACGCAGGGCAC 83
               | || |||| |||| |||||
Db           1 ACGGAGCAGCCGCATGGCAC 20


RESULT 832
US-09-752-639-123/c
; Sequence 123, Application US/09752639
; Patent No. US20020091243A1
;  GENERAL INFORMATION:
;    APPLICANT:  Gatanaga, T.
;    APPLICANT:  Granger, G.A.
;    TITLE OF INVENTION:  Factors Altering Tumor Necrosis
;    TITLE OF INVENTION:  Factor Receptor Releasing Enzyme Activity, and Methods
;    TITLE OF INVENTION:  of Use Thereof
;    NUMBER OF SEQUENCES:  154
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 PAGE MILL ROAD
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Windows
;      SOFTWARE:  FastSEQ for Windows Version 2.0b
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/752,639
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US99/10793
;      FILING DATE:
;      APPLICATION NUMBER:  09/081,385
;      FILING DATE:
;      APPLICATION NUMBER:  08/964,747
;      FILING DATE:  05-NOV-1997
;      APPLICATION NUMBER:  60/030,761
;      FILING DATE:  06-NOV-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Wu, Frank
;      REGISTRATION NUMBER:  41,386
;      REFERENCE/DOCKET NUMBER:  22000-20577.21
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-813-5600
;      TELEFAX:  650-494-0792
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  123:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-752-639-123

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1450 GAGAAAACCAAGGAGGAGAA 1469
              ||||| |||||||||  | |
Db         20 GAGAAGACCAAGGAGCTGCA 1


RESULT 833
US-09-984-198-123/c
; Sequence 123, Application US/09984198
; Patent No. US20020106679A1
;  GENERAL INFORMATION:
;    APPLICANT:  Gatanaga, T.
;    APPLICANT:  Granger, G.A.
;    TITLE OF INVENTION:  Factors Altering Tumor Necrosis
;    TITLE OF INVENTION:  Factor Receptor Releasing Enzyme Activity, and Methods
;    TITLE OF INVENTION:  of Use Thereof
;    NUMBER OF SEQUENCES:  154
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 PAGE MILL ROAD
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Windows
;      SOFTWARE:  FastSEQ for Windows Version 2.0b
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/984,198
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US99/10793
;      FILING DATE:
;      APPLICATION NUMBER:  09/081,385
;      FILING DATE:
;      APPLICATION NUMBER:  08/964,747
;      FILING DATE:  05-NOV-1997
;      APPLICATION NUMBER:  60/030,761
;      FILING DATE:  06-NOV-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Wu, Frank
;      REGISTRATION NUMBER:  41,386
;      REFERENCE/DOCKET NUMBER:  22000-20577.21
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-813-5600
;      TELEFAX:  650-494-0792
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  123:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-984-198-123

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1450 GAGAAAACCAAGGAGGAGAA 1469
              ||||| |||||||||  | |
Db         20 GAGAAGACCAAGGAGCTGCA 1


RESULT 834
US-09-810-157-5/c
; Sequence 5, Application US/09810157
; Patent No. US20020115117A1
; GENERAL INFORMATION:
;  APPLICANT: Shuk-mei Ho
;  TITLE OF INVENTION: ERBeta-Mediated Gene Expression
;  FILE REFERENCE: 07917-116001
;  CURRENT APPLICATION NUMBER: US/09/810,157
;  CURRENT FILING DATE:  2001-08-28
;  PRIOR APPLICATION NUMBER: US 60/189,605
;  PRIOR FILING DATE: 2000-03-15
;  NUMBER OF SEQ ID NOS: 17
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
```

OTHER INFORMATION: Synthetically generated primer
:-09-810-157-5

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

/ 1527 CTCTGGCTTCCTGCTGAGTC 1546
||||||| || |||| ||
) 20 CTCTGGCTGGCTTCTGAATC 1

:SULT 835
3-09-800-629A-44
Sequence 44, Application US/09800629A
Patent No. US20020128216A1
GENERAL INFORMATION:
APPLICANT: Dean, Nicholas M.
APPLICANT: Karras, James G
APPLICANT: McKay, Robert
APPLICANT: Manoharan, Muthiah
TITLE OF INVENTION: ANTISENSE MODULATION OF INTERLEUKIN-5 SIGNAL
TITLE OF INVENTION: TRANSDUCTION
FILE REFERENCE: ISPH-0537
CURRENT APPLICATION NUMBER: US/09/800,629A
CURRENT FILING DATE: 2001-03-07
PRIOR APPLICATION NUMBER: PCT/US00/07318
PRIOR FILING DATE: 2000-03-17
PRIOR APPLICATION NUMBER: 09/280,799
PRIOR FILING DATE: 1999-03-26
NUMBER OF SEQ ID NOS: 210
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 44
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:Synthetic
S-09-800-629A-44

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

y 1321 TTCTCCGATTCTGAAGAGGA 1340
| ||| || |||| ||||||
b 1 TCCTCAGAGTCTGGAGAGGA 20

:ESULT 836
'S-09-800-629A-67
Sequence 67, Application US/09800629A
Patent No. US20020128216A1
GENERAL INFORMATION:
APPLICANT: Dean, Nicholas M.
APPLICANT: Karras, James G
APPLICANT: McKay, Robert
APPLICANT: Manoharan, Muthiah
TITLE OF INVENTION: ANTISENSE MODULATION OF INTERLEUKIN-5 SIGNAL
TITLE OF INVENTION: TRANSDUCTION
FILE REFERENCE: ISPH-0537
CURRENT APPLICATION NUMBER: US/09/800,629A
CURRENT FILING DATE: 2001-03-07
PRIOR APPLICATION NUMBER: PCT/US00/07318
PRIOR FILING DATE: 2000-03-17
PRIOR APPLICATION NUMBER: 09/280,799
PRIOR FILING DATE: 1999-03-26
NUMBER OF SEQ ID NOS: 210
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 67
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:Synthetic
US-09-800-629A-67

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1321 TTCTCCGATTCTGAAGAGGA 1340
| ||| || |||| ||||||
Db 1 TCCTCAGAGTCTGGAGAGGA 20

RESULT 837
US-09-969-373-3498
Sequence 3498, Application US/09969373
Patent No. US20020133852A1
GENERAL INFORMATION:
APPLICANT: Effertz, Roger J.
APPLICANT: Hauge, Brian M.
TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
FILE REFERENCE: 38-10(52679)A
CURRENT APPLICATION NUMBER: US/09/969,373
CURRENT FILING DATE: 2001-10-02
PRIOR APPLICATION NUMBER: US 09/754,853
PRIOR FILING DATE: 2001-01-05
PRIOR APPLICATION NUMBER: US 09/760,427
PRIOR FILING DATE: 2001-01-13
PRIOR APPLICATION NUMBER: US 09/855,768
PRIOR FILING DATE: 2001-05-15
NUMBER OF SEQ ID NOS: 4593
SEQ ID NO 3498
LENGTH: 20
TYPE: DNA
ORGANISM: Glycine max
US-09-969-373-3498

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1355 GCAAGAACTCTTCCAACTTC 1374
||| || ||||||| ||||
Db 1 GCATGATTTCTTCCATCTTC 20

RESULT 838
US-09-918-186A-183
Sequence 183, Application US/09918186A
Patent No. US20020137708A1
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Elizabeth J. Ackermann
APPLICANT: Eric E. Swayze
APPLICANT: Lex M. Cowsert
TITLE OF INVENTION: ANTISENSE MODULATION OF SURVIVIN EXPRESSION
FILE REFERENCE: ISPH-0585
CURRENT APPLICATION NUMBER: US/09/918,186A
CURRENT FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 09/496,694
PRIOR FILING DATE: 2000-02-02
PRIOR APPLICATION NUMBER: 09/286,407
PRIOR FILING DATE: 1999-04-05
PRIOR APPLICATION NUMBER: 09/163,162
PRIOR FILING DATE: 1998-09-29
NUMBER OF SEQ ID NOS: 250
SEQ ID NO 183
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-918-186A-183

```
  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         60 CAAGATGGCGCAGACGCAGG 79
              ||||| | | || |||||||
Db          1 CAAGACGACTCAAACGCAGG 20


RESULT 839
US-09-049-695A-11/c
; Sequence 11, Application US/09049695A
; Patent No. US20020137904A1
;  GENERAL INFORMATION:
;    APPLICANT:  BILLING-MEDEL, PATRICIA A.
;    APPLICANT:  COHEN, MAURICE
;    APPLICANT:  COLPITTS, TRACEY L.
;    APPLICANT:  FRIEDMAN, PAULA N.
;    APPLICANT:  HAYDEN, MARK
;    APPLICANT:  KLASS, MICHAEL R.
;    APPLICANT:  ROBERTS-RAPP, LISA
;    APPLICANT:  RUSSELL, JOHN C.
;    APPLICANT:  STROUPE, STEPHEN D.
;    TITLE OF INVENTION:  REAGENTS AND METHODS USEFUL
;    TITLE OF INVENTION:  FOR DETECTING DISEASES OF THE GASTROINTESTINAL
;    TITLE OF INVENTION:  TRACT
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60064-3500
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/049,695A
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/828,845
;      FILING DATE:  31-MAR-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Becker, Cheryl L.
;      REGISTRATION NUMBER:  35,441
;      REFERENCE/DOCKET NUMBER:  6066.US.P1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  847/935-1729
;      TELEFAX:  847/938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  11:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-049-695A-11

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        526 GATATCGTCTTGGCCATCCT 545
              ||| | ||||||| | ||||
Db         20 GATGTGGTCTTGGTCTTCCT 1


RESULT 840
```

```
US-09-791-406-56/c
; Sequence 56, Application US/09791406
; Patent No. US20020147165A1
; GENERAL INFORMATION:
;  APPLICANT:  C. Frank Bennett
;  APPLICANT:  Robert Rothlein
;  APPLICANT:  Takashi Kei Kishimoto
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION:  ANTISENSE MODULATION OF CALRETICULIN EXPRESSION
;  FILE REFERENCE:  RTS-0097
;  CURRENT APPLICATION NUMBER: US/09/791,406
;  CURRENT FILING DATE:  2001-02-22
;  NUMBER OF SEQ ID NOS:  89
; SEQ ID NO 56
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-791-406-56

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1232 CTGAGGAGAGTGGCGATGAG 1251
              |||||||  |||| | |||
Db         20 CTGAGGAGTTTGGCAACGAG 1


RESULT 841
US-09-263-959-989/c
; Sequence 989, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  989:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-263-959-989

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
```

```
Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

,       1516 GACCTCTCCAGCTCTGGCTT 1535
             ||  ||||  |||||||| ||
)         20 GATATCTCGAGCTCTGGGTT 1


:SULT 842
3-09-263-959-1075/c
 Sequence 1075, Application US/09263959
 Patent No. US20020150891A1
  GENERAL INFORMATION:
    APPLICANT:  Hood, Leroy E.
    APPLICANT:  Rowen, Lee
    APPLICANT:  Koop, Ben F.
    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
    NUMBER OF SEQUENCES:  1279
    CORRESPONDENCE ADDRESS:
      ADDRESSEE:  Seed and Berry LLP
      STREET:  6300 Columbia Center, 701 Fifth Avenue
      CITY:  Seattle
      STATE:  Washington
      COUNTRY:  US
      ZIP:  98104-7092
    COMPUTER READABLE FORM:
      MEDIUM TYPE:  Floppy disk
      COMPUTER:  IBM PC compatible
      OPERATING SYSTEM:  PC-DOS/MS-DOS
      SOFTWARE:  PatentIn Release #1.0, Version #1.25
    CURRENT APPLICATION DATA:
      APPLICATION NUMBER:  US/09/263,959
      FILING DATE:  05-MAR-1999
      CLASSIFICATION:
    ATTORNEY/AGENT INFORMATION:
      NAME:  McMasters, David D.
      REGISTRATION NUMBER:  33,963
      REFERENCE/DOCKET NUMBER:  920010.426C2
    TELECOMMUNICATION INFORMATION:
      TELEPHONE:  (206) 622-4900
      TELEFAX:  (206) 682-6031
  INFORMATION FOR SEQ ID NO:  1075:
    SEQUENCE CHARACTERISTICS:
      LENGTH:  20 base pairs
      TYPE:  nucleic acid
      STRANDEDNESS:  single
      TOPOLOGY:  linear
S-09-263-959-1075

 Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
 Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
 Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        842 AGTGTGGCTCAGACTCCCTA 861
              |||||| ||| | | |||||
Db         20 AGTGTGTCTCTGTCCCCCTA 1


:ESULT 843
'S-09-904-968A-105
  Sequence 105, Application US/09904968A
  Publication No. US20030008288A1
  GENERAL INFORMATION:
;   APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
;   APPLICANT:  GERMINO, Gregory
;   APPLICANT:  WATNICK, Terry
;   APPLICANT:  PHAKDEEKITCHAROEN, Bunyong
;   TITLE OF INVENTION: DETECTION AND TREATMENT OF POLYCYSTIC KIDNEY DISEASE
;   FILE REFERENCE: JHU1680-2
;   CURRENT APPLICATION NUMBER: US/09/904,968A
;   CURRENT FILING DATE:  2001-07-13
;   PRIOR APPLICATION NUMBER: US 60/283,691
;   PRIOR FILING DATE: 2001-07-13
;   PRIOR APPLICATION NUMBER: US 60/218,261
;   PRIOR FILING DATE: 2000-07-13
;   NUMBER OF SEQ ID NOS: 113
;   SOFTWARE: PatentIn version 3.0
; SEQ ID NO 105
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial sequence
;    FEATURE:
;    OTHER INFORMATION: PCR primer 18F
US-09-904-968A-105

  Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1694 GCCACCTTGCCACCCATTCT 1713
              ||| |||  |||||| ||||
Db          1 GCCCCCTCACCACCCCTTCT 20


RESULT 844
US-09-824-322B-69
; Sequence 69, Application US/09824322B
; Publication No. US20030022848A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT:  Bennett, C. Frank
;  APPLICANT:  Butler, Madeline M.
;  APPLICANT:  Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TUMOR NECROSIS FACTOR-ALP
;  TITLE OF INVENTION:  ALPHA) EXPRESSION
;  FILE REFERENCE: ISPH-0501
;  CURRENT APPLICATION NUMBER: US/09/824,322B
;  CURRENT FILING DATE:  2001-04-02
;  PRIOR APPLICATION NUMBER: US 09/313,932
;  PRIOR FILING DATE: 1999-05-18
;  PRIOR APPLICATION NUMBER: US 09/166,186
;  PRIOR FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 503
; SEQ ID NO 69
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Synthetic
US-09-824-322B-69

  Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        845 GTGGCTCAGACTCCCTATCT 864
              |||   ||||| |||||||||
Db          1 GTGTGCCAGACACCCTATCT 20


RESULT 845
US-09-824-322B-153
; Sequence 153, Application US/09824322B
; Publication No. US20030022848A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT:  Bennett, C. Frank
;  APPLICANT:  Butler, Madeline M.
;  APPLICANT:  Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TUMOR NECROSIS FACTOR-AL
;  TITLE OF INVENTION:  ALPHA) EXPRESSION
;  FILE REFERENCE: ISPH-0501
;  CURRENT APPLICATION NUMBER: US/09/824,322B
;  CURRENT FILING DATE:  2001-04-02
;  PRIOR APPLICATION NUMBER: US 09/313,932
;  PRIOR FILING DATE: 1999-05-18
;  PRIOR APPLICATION NUMBER: US 09/166,186
```

; PRIOR FILING DATE: 1998-10-05
; NUMBER OF SEQ ID NOS: 503
; SEQ ID NO 153
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-824-322B-153

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 844 TGTGGCTCAGACTCCCTATC 863
|||| ||||| |||||||
Db 1 TGTGTGCCAGACACCCTATC 20

RESULT 846
US-09-824-322B-244/c
; Sequence 244, Application US/09824322B
; Publication No. US20030022848A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda
; APPLICANT: Bennett, C. Frank
; APPLICANT: Butler, Madeline M.
; APPLICANT: Shanahan, William R.
; TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TUMOR NECROSIS FACTOR-ALP
; TITLE OF INVENTION: ALPHA) EXPRESSION
; FILE REFERENCE: ISPH-0501
; CURRENT APPLICATION NUMBER: US/09/824,322B
; CURRENT FILING DATE: 2001-04-02
; PRIOR APPLICATION NUMBER: US 09/313,932
; PRIOR FILING DATE: 1999-05-18
; PRIOR APPLICATION NUMBER: US 09/166,186
; PRIOR FILING DATE: 1998-10-05
; NUMBER OF SEQ ID NOS: 503
; SEQ ID NO 244
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-824-322B-244

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 241 AATGCTGAGGAGATGACCAA 260
|||||||| | |||||||
Db 20 AATGCTGATTTGGTGACCAA 1

RESULT 847
US-09-824-322B-493/c
; Sequence 493, Application US/09824322B
; Publication No. US20030022848A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda
; APPLICANT: Bennett, C. Frank
; APPLICANT: Butler, Madeline M.
; APPLICANT: Shanahan, William R.
; TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TUMOR NECROSIS FACTOR-ALP
; TITLE OF INVENTION: ALPHA) EXPRESSION
; FILE REFERENCE: ISPH-0501
; CURRENT APPLICATION NUMBER: US/09/824,322B
; CURRENT FILING DATE: 2001-04-02
; PRIOR APPLICATION NUMBER: US 09/313,932
; PRIOR FILING DATE: 1999-05-18
; PRIOR APPLICATION NUMBER: US 09/166,186
; PRIOR FILING DATE: 1998-10-05
; NUMBER OF SEQ ID NOS: 503
; SEQ ID NO 493
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-824-322B-493

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 240 CAATGCTGAGGAGATGACCA 259
||||||||| | |||||||
Db 20 CAATGCTGATTTGGTGACCA 1

RESULT 848
US-09-931-375A-23/c
; Sequence 23, Application US/09931375A
; Publication No. US20030027151A1
; GENERAL INFORMATION:
; APPLICANT: WARMAN, Matthew L.
; APPLICANT: GONG, Yaoqin
; APPLICANT: OLSEN, Bjorn R.
; APPLICANT: RAWADI, Georges
; APPLICANT: ROMAN-ROMAN, Sergio
; TITLE OF INVENTION: REGULATOR GENE AND SYSTEM USEFUL FOR THE DIAGNOSIS AND THERAPY OI
; TITLE OF INVENTION: OSTEOPOROSIS
; FILE REFERENCE: 38464-0004
; CURRENT APPLICATION NUMBER: US/09/931,375A
; CURRENT FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: US 60/304,851
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/234,337
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: US 60/226,119
; PRIOR FILING DATE: 2000-08-18
; NUMBER OF SEQ ID NOS: 89
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 23
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-09-931-375A-23

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1517 ACCTCTCCAGCTCTGGCTTC 1536
|||||| |||||| | | ||
Db 20 ACCTCTTCAGCTCAGCCCTC 1

RESULT 849
US-09-802-640-107
; Sequence 107, Application US/09802640
; Publication No. US20030036057A1
; GENERAL INFORMATION:
; APPLICANT: Braun, Andreas
; APPLICANT: Bonsal Aruna
; APPLICANT: Kleyn Patrick
; TITLE OF INVENTION: GENES AND POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISEASE AND THEIR USE
; FILE REFERENCE: 24736-2048
; CURRENT APPLICATION NUMBER: US/09/802,640
; CURRENT FILING DATE: 2001-03-09
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: FastSEQ for Windows Version 4.0

```
SEQ ID NO 107
  LENGTH: 20
  TYPE: DNA
  ORGANISM: Artificial Sequence
  FEATURE:
  OTHER INFORMATION: Primer
}-09-802-640-107

 Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
 Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
 Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

/        366 AGTATTCGATGGCCTGTTTG 385
             ||| | | |||| |||||||
>          1 AGTGTCCTATGGGCTGTTTG 20


ESULT 850
S-09-784-674-149
 Sequence 149, Application US/09784674
 Publication No. US20030054346A1
   GENERAL INFORMATION:
        APPLICANT: Shannon, Karen W.
                   Wolber, Paul K.
                   Delenstarr, Glenda C.
                   Webb, Peter G.
                   Kincaid, Robert H.
        TITLE OF INVENTION: Methods for evaluating oligonucleotide
                            probe sequences
        NUMBER OF SEQUENCES: 1165
        CORRESPONDENCE ADDRESS:
             ADDRESSEE: Records Manager, Legal Department, Hewlett-Packard
                        Company M/S 20BO
             STREET: 3000 Hanover Street
             CITY: Palo Alto
             STATE: CA
             COUNTRY: USA
             ZIP: 94304
        COMPUTER READABLE FORM:
             MEDIUM TYPE: Floppy disk
             COMPUTER: IBM PC compatible
             OPERATING SYSTEM: PC-DOS/MS-DOS
             SOFTWARE: PatentIn Release #1.0, Version #1.30
        CURRENT APPLICATION DATA:
             APPLICATION NUMBER: US/09/784,674
             FILING DATE: 15-Feb-2001
             CLASSIFICATION: No. US20030054346A1 available
        PRIOR APPLICATION DATA:
             APPLICATION NUMBER: 09/021,701
             FILING DATE: 10-FEB-1998
        ATTORNEY/AGENT INFORMATION:
             NAME: Choi, Wendy A.
             REGISTRATION NUMBER: 36,697
             REFERENCE/DOCKET NUMBER: 10971464-1
        TELECOMMUNICATION INFORMATION:
             TELEPHONE: 650-236-2386
             TELEFAX: 650-852-8063
   INFORMATION FOR SEQ ID NO: 149:
        SEQUENCE CHARACTERISTICS:
             LENGTH: 20 base pairs
             TYPE: nucleic acid
             STRANDEDNESS: single
             TOPOLOGY: linear
        MOLECULE TYPE: cDNA
        HYPOTHETICAL: NO
        ANTI-SENSE: NO
        SEQUENCE DESCRIPTION: SEQ ID NO: 149:
US-09-784-674-149

  Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         650 TGTCCTTTCATAAGTATGGA 669
               ||||| || || || ||||||
Db           1 TGTCCATTTATCAGGATGGA 20


RESULT 851
US-09-784-674-150
; Sequence 150, Application US/09784674
; Publication No. US20030054346A1
;   GENERAL INFORMATION:
;        APPLICANT: Shannon, Karen W.
;                   Wolber, Paul K.
;                   Delenstarr, Glenda C.
;                   Webb, Peter G.
;                   Kincaid, Robert H.
;        TITLE OF INVENTION: Methods for evaluating oligonucleotide
;                            probe sequences
;        NUMBER OF SEQUENCES: 1165
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Records Manager, Legal Department, Hewlett-Packard
;                        Company M/S 20BO
;             STREET: 3000 Hanover Street
;             CITY: Palo Alto
;             STATE: CA
;             COUNTRY: USA
;             ZIP: 94304
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/784,674
;             FILING DATE: 15-Feb-2001
;             CLASSIFICATION: No. US20030054346A1 available
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/021,701
;             FILING DATE: 10-FEB-1998
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Choi, Wendy A.
;             REGISTRATION NUMBER: 36,697
;             REFERENCE/DOCKET NUMBER: 10971464-1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 650-236-2386
;             TELEFAX: 650-852-8063
;   INFORMATION FOR SEQ ID NO: 150:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: cDNA
;        HYPOTHETICAL: NO
;        ANTI-SENSE: NO
;        SEQUENCE DESCRIPTION: SEQ ID NO: 150:
US-09-784-674-150

  Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         651 GTCCTTTCATAAGTATGGAG 670
               |||| || || || ||||||
Db           1 GTCCATTTATCAGGATGGAG 20


RESULT 852
US-09-784-674-592
; Sequence 592, Application US/09784674
; Publication No. US20030054346A1
;   GENERAL INFORMATION:
;        APPLICANT: Shannon, Karen W.
;                   Wolber, Paul K.
```

```
;                 Delenstarr, Glenda C.
;                 Webb, Peter G.
;                 Kincaid, Robert H.
;       TITLE OF INVENTION: Methods for evaluating oligonucleotide
;                           probe sequences
;       NUMBER OF SEQUENCES: 1165
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Records Manager, Legal Department, Hewlett-Packard
;                       Company M/S 20BO
;            STREET: 3000 Hanover Street
;            CITY: Palo Alto
;            STATE: CA
;            COUNTRY: USA
;            ZIP: 94304
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/784,674
;            FILING DATE: 15-Feb-2001
;            CLASSIFICATION: No. US20030054346A1 available
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 09/021,701
;            FILING DATE: 10-FEB-1998
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Choi, Wendy A.
;            REGISTRATION NUMBER: 36,697
;            REFERENCE/DOCKET NUMBER: 10971464-1
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 650-236-2386
;            TELEFAX: 650-852-8063
;   INFORMATION FOR SEQ ID NO: 592:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 20 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: cDNA
;       HYPOTHETICAL: NO
;       ANTI-SENSE: NO
;       SEQUENCE DESCRIPTION: SEQ ID NO: 592:
US-09-784-674-592

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1834 CCTTATTGAACATTCTAGAA 1853
             ||| ||||||| | | ||||
Db          1 CCTAATTGAACTTCCCAGAA 20


RESULT 853
US-09-784-674-593
; Sequence 593, Application US/09784674
; Publication No. US20030054346A1
;   GENERAL INFORMATION:
;       APPLICANT: Shannon, Karen W.
;                  Wolber, Paul K.
;                  Delenstarr, Glenda C.
;                  Webb, Peter G.
;                  Kincaid, Robert H.
;       TITLE OF INVENTION: Methods for evaluating oligonucleotide
;                           probe sequences
;       NUMBER OF SEQUENCES: 1165
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Records Manager, Legal Department, Hewlett-Packard
;                       Company M/S 20BO
;            STREET: 3000 Hanover Street
;            CITY: Palo Alto
;            STATE: CA
;            COUNTRY: USA
;            ZIP: 94304
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/784,674
;            FILING DATE: 15-Feb-2001
;            CLASSIFICATION: No. US20030054346A1 available
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 09/021,701
;            FILING DATE: 10-FEB-1998
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Choi, Wendy A.
;            REGISTRATION NUMBER: 36,697
;            REFERENCE/DOCKET NUMBER: 10971464-1
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 650-236-2386
;            TELEFAX: 650-852-8063
;   INFORMATION FOR SEQ ID NO: 593:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 20 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: cDNA
;       HYPOTHETICAL: NO
;       ANTI-SENSE: NO
;       SEQUENCE DESCRIPTION: SEQ ID NO: 593:
US-09-784-674-593

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1835 CTTATTGAACATTCTAGAAG 1854
             || ||||||| | | |||||
Db          1 CTAATTGAACTTCCCAGAAG 20


RESULT 854
US-09-865-993-29/c
; Sequence 29, Application US/09865993
; Publication No. US20030060437A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF DUAL SPECIFIC PHOSPHATASE 5 EXPRESSION
;  FILE REFERENCE: RTS-0175
;  CURRENT APPLICATION NUMBER: US/09/865,993
;  CURRENT FILING DATE:  2001-05-25
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 29
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-865-993-29

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        482 ACCATGCAAAGAAGTCCGAG 501
              |||||||   |||| ||||
Db         20 ACCATGCATCCAAGTGCGAG 1


RESULT 855
US-09-865-993-42/c
```

```
Sequence 42, Application US/09865993
Publication No. US20030060437A1
GENERAL INFORMATION:
 APPLICANT: Brett P. Monia
 APPLICANT:  Andrew T. Watt
 TITLE OF INVENTION: ANTISENSE MODULATION OF DUAL SPECIFIC PHOSPHATASE 5 EXPRESSION
 FILE REFERENCE: RTS-0175
 CURRENT APPLICATION NUMBER: US/09/865,993
 CURRENT FILING DATE:  2001-05-25
 NUMBER OF SEQ ID NOS: 89
SEQ ID NO 42
  LENGTH: 20
  TYPE: DNA
  ORGANISM: Artificial Sequence
  FEATURE:
  OTHER INFORMATION: Antisense Oligonucleotide
S-09-865-993-42

 Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
 Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
 Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        322 TACAGCAAGCAGATGCAGAG 341
              |||| |||||||| |  |||
Db         20 TACATCAAGCAGAGGAGGAG 1


RESULT 856
US-09-915-485-65/c
 Sequence 65, Application US/09915485
 Publication No. US20030083281A1
 GENERAL INFORMATION:
  APPLICANT: Mark J. Graham
  APPLICANT:  Susan M. Freier
  TITLE OF INVENTION: ANTISENSE MODULATION OF SERUM AMYLOID A4 EXPRESSION
  FILE REFERENCE: RTS-0251
  CURRENT APPLICATION NUMBER: US/09/915,485
  CURRENT FILING DATE:  2001-07-25
  NUMBER OF SEQ ID NOS: 89
 SEQ ID NO 65
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
US-09-915-485-65

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1659 CTCAGGGCAGCTGTGCTGGG 1678
              ||||||| | ||| |||| |
Db         20 CTCAGGGAAACTGGGCTGTG 1


RESULT 857
US-09-935-316-9
; Sequence 9, Application US/09935316
; Publication No. US20030083286A1
; GENERAL INFORMATION:
;  APPLICANT: Weinbach, Susan
;  APPLICANT:  Tillman, Lloyd G.
;  APPLICANT:  Geary, Richard H.
;  APPLICANT:  Hardee, Gregorgy E.
;  TITLE OF INVENTION: Pulsatile Release Compositions And Methods For Enhanced Intestina
;  TITLE OF INVENTION:  Absorption
;  FILE REFERENCE: ISIS4823
;  CURRENT APPLICATION NUMBER: US/09/935,316
;  CURRENT FILING DATE:  2001-08-22
;  NUMBER OF SEQ ID NOS: 11
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-935-316-9

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        845 GTGGCTCAGACTCCCTATCT 864
              |||   ||||| ||||||||
Db          1 GTGTGCCAGACACCCTATCT 20


RESULT 858
US-09-953-047-22/c
; Sequence 22, Application US/09953047
; Publication No. US20030087854A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF FIBROBLAST GROWTH FACTOR RECEPTOR 3 EXPRE
;  FILE REFERENCE: RTS-0157
;  CURRENT APPLICATION NUMBER: US/09/953,047
;  CURRENT FILING DATE:  2001-09-10
;  NUMBER OF SEQ ID NOS: 95
; SEQ ID NO 22
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-953-047-22

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        242 ATGCTGAGGAGATGACCAAG 261
              || ||  |||||||||| |||
Db         20 ATCCTCGGGAGATGACGAAG 1


RESULT 859
US-09-998-027-164/c
; Sequence 164, Application US/09998027
; Publication No. US20030093819A1
; GENERAL INFORMATION:
;  APPLICANT: D'Andrea et al.
;  TITLE OF INVENTION: Methods and Compositions for the
;  TITLE OF INVENTION:  Diagnosis and Treatment of Cancers Associated with Defective
;  TITLE OF INVENTION:  DNA Repair Mechanisms
;  FILE REFERENCE: 2486/101
;  CURRENT APPLICATION NUMBER: US/09/998,027
;  CURRENT FILING DATE:  2001-11-02
;  NUMBER OF SEQ ID NOS: 191
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 164
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: MG742
US-09-998-027-164

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1638 GACAGAAACCAAGGCCCCGA 1657
              |||||  |||||||| | ||
Db         20 GACAGTCACCAAGGCACTGA 1
```

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RESULT 860
US-09-902-953-9
; Sequence 9, Application US/09902953
; Publication No. US20030096770A1
; GENERAL INFORMATION:
;  APPLICANT: Krotz, Achim
;  APPLICANT:  Mehta, Rahul
;  TITLE OF INVENTION: Enhancement Of The Stability Of Oligonucleotides Comprising
;  TITLE OF INVENTION:  Phosphorothioate Linkages By Addition Of Water Soluble Antioxida
;  FILE REFERENCE: ISIS-4797
;  CURRENT APPLICATION NUMBER: US/09/902,953
;  CURRENT FILING DATE:  2001-07-11
;  NUMBER OF SEQ ID NOS: 11
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 9
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-902-953-9

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        845 GTGGCTCAGACTCCCTATCT 864
              |||   ||||| ||||||||
Db          1 GTGTGCCAGACACCCTATCT 20


RESULT 861
US-09-953-318-66/c
; Sequence 66, Application US/09953318
; Publication No. US20030105036A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPT
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTS-0232
;  CURRENT APPLICATION NUMBER: US/09/953,318
;  CURRENT FILING DATE:  2001-09-13
;  NUMBER OF SEQ ID NOS: 154
; SEQ ID NO 66
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-953-318-66

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        479 TGCACCATGCAAAGAAGTCC 498
              ||||||| |||| || | ||
Db         20 TGCACCAAGCAAGGAGGGCC 1


RESULT 862
US-09-953-318-151
; Sequence 151, Application US/09953318
; Publication No. US20030105036A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPT
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTS-0232
;  CURRENT APPLICATION NUMBER: US/09/953,318
;  CURRENT FILING DATE:  2001-09-13
;  NUMBER OF SEQ ID NOS: 154
; SEQ ID NO 151
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-953-318-151

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        616 GAGGCCTTCTACACCACGGA 635
              ||||  | | ||||||||||
Db          1 GAGGAGTACAACACCACGGA 20


RESULT 863
US-09-944-493-9
; Sequence 9, Application US/09944493
; Publication No. US20030124196A1
; GENERAL INFORMATION:
;  APPLICANT: Weinbach, Susan
;  APPLICANT:  Tillman, Lloyd G.
;  APPLICANT:  Geary, Richard H.
;  APPLICANT:  Hardee, Gregorgy E.
;  TITLE OF INVENTION: Pulsatile Release Compositions And Methods For Enhanced Intestin
;  TITLE OF INVENTION:  Absorption
;  FILE REFERENCE: ISIS4823
;  CURRENT APPLICATION NUMBER: US/09/944,493
;  CURRENT FILING DATE:  2001-08-21
;  NUMBER OF SEQ ID NOS: 11
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-944-493-9

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        845 GTGGCTCAGACTCCCTATCT 864
              |||   ||||| ||||||||
Db          1 GTGTGCCAGACACCCTATCT 20


RESULT 864
US-09-976-782-72
; Sequence 72, Application US/09976782
; Publication No. US20030190715A1
; GENERAL INFORMATION:
;  APPLICANT: Grosse et al
;  TITLE OF INVENTION: No. US20030190715A1el Proteins and Nucleic Acids Encoding Same
;  FILE REFERENCE: 21402-157
;  CURRENT APPLICATION NUMBER: US/09/976,782
;  CURRENT FILING DATE:  2001-10-12
;  PRIOR APPLICATION NUMBER: 60/240,113
;  PRIOR FILING DATE: 2000-10-12
;  PRIOR APPLICATION NUMBER: 60/240,662
;  PRIOR FILING DATE: 2000-10-16
;  PRIOR APPLICATION NUMBER: 60/240,732
;  PRIOR FILING DATE: 2000-10-16
;  PRIOR APPLICATION NUMBER: 60/240,625
;  PRIOR FILING DATE: 2000-10-16
;  PRIOR APPLICATION NUMBER: 60/240,703
;  PRIOR FILING DATE: 2000-10-16
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  PRIOR APPLICATION NUMBER: 60/241,190
  PRIOR FILING DATE: 2000-10-16
  PRIOR APPLICATION NUMBER: 60/240,637
  PRIOR FILING DATE: 2000-10-16
  PRIOR APPLICATION NUMBER: 60/240,669
  PRIOR FILING DATE: 2000-10-16
  PRIOR APPLICATION NUMBER: 60/262,455
  PRIOR FILING DATE: 2001-01-18
  PRIOR APPLICATION NUMBER: 60/240,648
  PRIOR FILING DATE: 2000-10-16
  NUMBER OF SEQ ID NOS: 127
  SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 72
    LENGTH: 20
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
    OTHER INFORMATION: primer
S-09-976-782-72

 Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
 Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
 Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

y       1129 AATGAGTACCTGGAGAAGAT 1148
             || ||| | |||||| ||||
b          1 AAGGAGGAGCTGGAGGAGAT 20


ESULT 865
S-10-619-220-151
 Sequence 151, Application US/10619220
 Publication No. US20040033979A1
 GENERAL INFORMATION:
  APPLICANT: Dean, Nicholas M.
  APPLICANT:  Marcusson, Eric G.
  APPLICANT:  Wyatt, Jacqueline
  APPLICANT:  Zhang, Hong
  TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
  FILE REFERENCE: ISPH-545
  CURRENT APPLICATION NUMBER: US/10/619,220
  CURRENT FILING DATE:  2003-07-14
  PRIOR APPLICATION NUMBER: 09/802,669
  PRIOR FILING DATE: 2001-03-01
  PRIOR APPLICATION NUMBER: US 09/665,615
  PRIOR FILING DATE: 2000-09-18
  PRIOR APPLICATION NUMBER: US 09/290,640
  PRIOR FILING DATE: 1999-04-12
  NUMBER OF SEQ ID NOS: 180
  SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 151
    LENGTH: 20
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Antisense Oligonucleotide
JS-10-619-220-151

  Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1828 AGGTGCCCTTATTGAACATT 1847
              | | | | ||||||||||||
Db          1 ATGGGACATTATTGAACATT 20


RESULT 866
US-10-264-958B-10/c
 Sequence 10, Application US/10264958B
 Publication No. US20040038224A1
 GENERAL INFORMATION:
 APPLICANT: Hoffman, Hal
 APPLICANT:  Kolodner, Richard
 TITLE OF INVENTION: Isolated Cryopyrins, Nucleic Acid Molecules Encoding These, and U
 TITLE OF INVENTION:  Thereof
 FILE REFERENCE: LUD 5738.1 CIP (10209575)
 CURRENT APPLICATION NUMBER: US/10/264,958B
 CURRENT FILING DATE:  2002-10-04
 PRIOR APPLICATION NUMBER: US60/327,728
 PRIOR FILING DATE: 2001-10-05
 NUMBER OF SEQ ID NOS: 31
 SEQ ID NO 10
    LENGTH: 20
    TYPE: DNA
    ORGANISM: Homo sapiens
    FEATURE:
US-10-264-958B-10

  Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2015 GGTTGCTAGTCTAGTTTCCT 2034
              ||||||| || | |||||
Db         20 GGTTGCTGGTGTGGTTTCTT 1


RESULT 867
US-10-380-125-25
 Sequence 25, Application US/10380125
 Publication No. US20040048818A1
 GENERAL INFORMATION:
  APPLICANT: Isis Pharmaceuticals, Inc.
  APPLICANT:  Ian Popoff
  APPLICANT:  Jacqueline Wyatt
  TITLE OF INVENTION: ANTISENSE MODULATION OF E2F TRANSCRIPTION FACTOR 2 EXPRESSION
  FILE REFERENCE: RTSP-0176
  CURRENT APPLICATION NUMBER: US/10/380,125
  CURRENT FILING DATE:  2003-03-10
  PRIOR APPLICATION NUMBER: 09/658,679
  PRIOR FILING DATE: 2000-09-08
  NUMBER OF SEQ ID NOS: 87
 SEQ ID NO 25
    LENGTH: 20
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-125-25

  Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1632 CCCAGGGACAGAAACCAAGG 1651
              ||||| | | ||| ||||||
Db          1 CCCAGCGGCCGAAGCCAAGG 20


RESULT 868
US-10-630-401-22/c
 Sequence 22, Application US/10630401
 Publication No. US20040048824A1
 GENERAL INFORMATION:
  APPLICANT: Brett P. Monia
  APPLICANT:  Jacqueline Wyatt
  TITLE OF INVENTION: ANTISENSE MODULATION OF FIBROBLAST GROWTH FACTOR RECEPTOR 3 EXPR
  FILE REFERENCE: RTS-0157
  CURRENT APPLICATION NUMBER: US/10/630,401
  CURRENT FILING DATE:  2003-07-30
  PRIOR APPLICATION NUMBER: US/09/953,047
  PRIOR FILING DATE: 2001-09-10
  NUMBER OF SEQ ID NOS: 95
 SEQ ID NO 22
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```
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-630-401-22

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        242 ATGCTGAGGAGATGACCAAG 261
              || ||  |||||||||| |||
Db         20 ATCCTCGGGAGATGACGAAG 1


RESULT 869
US-10-380-124-21
; Sequence 21, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
;  APPLICANT: Isis Pharmaceuticals, Inc.
;  APPLICANT:  Brett P. Monia
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
;  FILE REFERENCE: RTS-0156
;  CURRENT APPLICATION NUMBER: US/10/380,124
;  CURRENT FILING DATE:  2003-03-10
;  NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 21
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-21

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2027 AGTTTCCTTTTTGAGATACT 2046
              | |||||||| ||||  ||||
Db          1 AATTTCCTTATTGACGTACT 20


RESULT 870
US-10-276-566B-9/c
; Sequence 9, Application US/10276566B
; Publication No. US20040058337A1
; GENERAL INFORMATION:
;  APPLICANT: HILDEBRANDT, TOBIAS
;  APPLICANT:  VAN MUIJEN, GOOS
;  APPLICANT:  WEIDLE, ULRICH
;  TITLE OF INVENTION: A PROCESS FOR DETERMINING THE TUMORICIDAL
;  TITLE OF INVENTION:  POTENTIAL OF A SAMPLE BY THE USE OF A
;  TITLE OF INVENTION:  NUCLEIC ACID WHICH IS DOWNREGULATED IN
;  TITLE OF INVENTION:  HUMAN TUMOR CELLS
;  FILE REFERENCE: 20677 US
;  CURRENT APPLICATION NUMBER: US/10/276,566B
;  CURRENT FILING DATE:  2002-11-14
;  PRIOR APPLICATION NUMBER: PCT/EP01/05627
;  PRIOR FILING DATE: 2001-05-17
;  PRIOR APPLICATION NUMBER: EP 00110692.1
;  PRIOR FILING DATE: 2000-05-19
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:forward primer
US-10-276-566B-9

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1120 CAGAACACGAATGAGTACCT 1139
              || ||||| |||||| || |
Db         20 CACAACACCAATGAGGACAT 1


RESULT 871
US-10-655-847-143/c
; Sequence 143, Application US/10655847
; Publication No. US20040063129A1
; GENERAL INFORMATION:
;  APPLICANT: William Gaarde
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PPAR-DELTA EXPRESSION
;  FILE REFERENCE: RTS-0189
;  CURRENT APPLICATION NUMBER: US/10/655,847
;  CURRENT FILING DATE:  2003-09-05
;  PRIOR APPLICATION NUMBER: US/10/160,807
;  PRIOR FILING DATE: 2003-09-05
;  NUMBER OF SEQ ID NOS: 296
; SEQ ID NO 143
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-655-847-143

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        605 ACGGCGTGGAAGAGGCCTTC 624
              | |||||| | |||||| ||
Db         20 ATGGCGTGCACGAGGCCATC 1


RESULT 872
US-10-655-847-276
; Sequence 276, Application US/10655847
; Publication No. US20040063129A1
; GENERAL INFORMATION:
;  APPLICANT: William Gaarde
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PPAR-DELTA EXPRESSION
;  FILE REFERENCE: RTS-0189
;  CURRENT APPLICATION NUMBER: US/10/655,847
;  CURRENT FILING DATE:  2003-09-05
;  PRIOR APPLICATION NUMBER: US/10/160,807
;  PRIOR FILING DATE: 2003-09-05
;  NUMBER OF SEQ ID NOS: 296
; SEQ ID NO 276
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: M. musculus
;   FEATURE:
US-10-655-847-276

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        605 ACGGCGTGGAAGAGGCCTTC 624
              | |||||| | |||||| ||
Db          1 ATGGCGTGCACGAGGCCATC 20
```

```
ESULT 873
-09-888-361-57/c
Sequence 57, Application US/09888361
Publication No. US20030064944A1
GENERAL INFORMATION:
 APPLICANT: Susan Murray
 APPLICANT:  Jacqueline Wyatt
 TITLE OF INVENTION: ANTISENSE MODULATION OF TRANSFORMING GROWTH FACTOR BETA RECEPTOR
 TITLE OF INVENTION:  EXPRESSION
 FILE REFERENCE: RTS-0158
 CURRENT APPLICATION NUMBER: US/09/888,361
 CURRENT FILING DATE:  2001-06-21
 NUMBER OF SEQ ID NOS: 163
SEQ ID NO 57
  LENGTH: 20
  TYPE: DNA
  ORGANISM: Artificial Sequence
  FEATURE:
  OTHER INFORMATION: Antisense Oligonucleotide
S-09-888-361-57

 Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
 Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
 Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Y       1208 AGGCGATTCCTGAGGACGCC 1227
             ||  ||||||||| |||| |
o         20 AGAAGATTCCTGAAGACGGC 1


ESULT 874
S-09-754-106-71/c
 Sequence 71, Application US/09754106
 Publication No. US20030224355A1
  GENERAL INFORMATION:
    APPLICANT:  Bell, Graeme I.
    APPLICANT:  Yamagata, Kazuya
    APPLICANT:  Oda, Naohisha
    APPLICANT:  Kaisaki, Pamela J.
    APPLICANT:  Furuta, Hiroto
    APPLICANT:  Horikawa, Yukio
    APPLICANT:  Menzel, Stephen
    TITLE OF INVENTION:  MUTATIONS IN THE DIABETES SUSCEPTIBILITY
    TITLE OF INVENTION:  GENES HEPATOCYTE NUCLEAR FACTOR (HNF) 1 ALPHA, HNF-1BETA
    TITLE OF INVENTION:  AND HNF-4ALPHA
    NUMBER OF SEQUENCES:  147
    CORRESPONDENCE ADDRESS:
      ADDRESSEE:  Arnold, White & Durkee
      STREET:  P.O. Box 4433
      CITY:  Houston
      STATE:  Texas
      COUNTRY:  USA
      ZIP:  77210
    COMPUTER READABLE FORM:
      MEDIUM TYPE:  Floppy disk
      COMPUTER:  IBM PC compatible
      OPERATING SYSTEM:  PC-DOS/MS-DOS
      SOFTWARE:  PatentIn Release #1.0, Version #1.30
    CURRENT APPLICATION DATA:
      APPLICATION NUMBER:  US/09/754,106
      FILING DATE:
      CLASSIFICATION:
    PRIOR APPLICATION DATA:
      APPLICATION NUMBER:  08/927,219
      FILING DATE:
    PRIOR APPLICATION DATA:
      APPLICATION NUMBER:  US 60/028,056
      FILING DATE:  02-OCT-1996
    PRIOR APPLICATION DATA:
      APPLICATION NUMBER:  US 60/025,719
      FILING DATE:  10-SEP-1996
    ATTORNEY/AGENT INFORMATION:
      NAME:  Wilson, Mark B.
      REGISTRATION NUMBER:  37,259
      REFERENCE/DOCKET NUMBER:  ARCD:272
    TELECOMMUNICATION INFORMATION:
      TELEPHONE:  512/418-3000
      TELEFAX:  512/474-7577
  INFORMATION FOR SEQ ID NO:  71:
    SEQUENCE CHARACTERISTICS:
      LENGTH:  20 base pairs
      TYPE:  nucleic acid
      STRANDEDNESS:  single
      TOPOLOGY:  linear
US-09-754-106-71

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1980 CCCTCTGTCTGTCTTCTCCT 1999
              | |||||  | |  ||||||||
Db         20 CGCTCTGCCAGACTTCTCCT 1


RESULT 875
US-10-160-807-143/c
; Sequence 143, Application US/10160807
; Publication No. US20030224514A1
; GENERAL INFORMATION:
;  APPLICANT: William Gaarde
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PPAR-DELTA EXPRESSION
;  FILE REFERENCE: RTS-0189
;  CURRENT APPLICATION NUMBER: US/10/160,807
;  CURRENT FILING DATE:  2002-05-31
;  NUMBER OF SEQ ID NOS: 296
; SEQ ID NO 143
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-160-807-143

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        605 ACGGCGTGGAAGAGGCCTTC 624
              | |||||| | |||||| ||
Db         20 ATGGCGTGCACGAGGCCATC 1


RESULT 876
US-10-160-807-276
; Sequence 276, Application US/10160807
; Publication No. US20030224514A1
; GENERAL INFORMATION:
;  APPLICANT: William Gaarde
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PPAR-DELTA EXPRESSION
;  FILE REFERENCE: RTS-0189
;  CURRENT APPLICATION NUMBER: US/10/160,807
;  CURRENT FILING DATE:  2002-05-31
;  NUMBER OF SEQ ID NOS: 296
; SEQ ID NO 276
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: M. musculus
;   FEATURE:
US-10-160-807-276
```

```
  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        605 ACGGCGTGGAAGAGGCCTTC 624
              | |||||| | |||||| ||
Db          1 ATGGCGTGCACGAGGCCATC 20


RESULT 877
US-10-161-996-113
; Sequence 113, Application US/10161996
; Publication No. US20030224515A1
; GENERAL INFORMATION:
;  APPLICANT: Susan M. Freier
;  APPLICANT:  Brenda F. Baker
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF STEROL REGULATORY ELEMENT-BINDING PROTEIN
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTS-0395
;  CURRENT APPLICATION NUMBER: US/10/161,996
;  CURRENT FILING DATE:  2002-06-04
;  NUMBER OF SEQ ID NOS: 273
; SEQ ID NO 113
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-161-996-113

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        930 GAGCTTTAACCTGCCTATGC 949
              | ||||| ||||| |||| |
Db          1 GGGCTTTGACCTGGCTATCC 20


RESULT 878
US-10-161-996-237/c
; Sequence 237, Application US/10161996
; Publication No. US20030224515A1
; GENERAL INFORMATION:
;  APPLICANT: Susan M. Freier
;  APPLICANT:  Brenda F. Baker
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF STEROL REGULATORY ELEMENT-BINDING PROTEIN
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTS-0395
;  CURRENT APPLICATION NUMBER: US/10/161,996
;  CURRENT FILING DATE:  2002-06-04
;  NUMBER OF SEQ ID NOS: 273
; SEQ ID NO 237
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: M. musculus
;   FEATURE:
US-10-161-996-237

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        930 GAGCTTTAACCTGCCTATGC 949
              | ||||| ||||| |||| |
Db         20 GGGCTTTGACCTGGCTATCC 1


RESULT 879
US-10-181-316-183
; Sequence 183, Application US/10181316
; Publication No. US20030211607A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Elizabeth J. Ackermann
;  APPLICANT:  Eric E. Swayze
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF SURVIVIN EXPRESSION
;  FILE REFERENCE: ISPH-0650
;  CURRENT APPLICATION NUMBER: US/10/181,316
;  CURRENT FILING DATE:  2002-07-16
;  PRIOR APPLICATION NUMBER: PCT/US01/02939
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: 09/496,694
;  PRIOR FILING DATE: 2000-02-02
;  PRIOR APPLICATION NUMBER: 09/286,407
;  PRIOR FILING DATE: 1999-04-05
;  PRIOR APPLICATION NUMBER: 09/163,162
;  PRIOR FILING DATE: 1998-09-29
;  NUMBER OF SEQ ID NOS: 249
; SEQ ID NO 183
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-181-316-183

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         60 CAAGATGGCGCAGACGCAGG 79
              ||||| | | || |||||||
Db          1 CAAGACGACTCAAACGCAGG 20


RESULT 880
US-10-246-091-20
; Sequence 20, Application US/10246091
; Publication No. US20030203844A1
; GENERAL INFORMATION:
;  APPLICANT: Delfani, Kioumars
;  APPLICANT:  Janson, Ann Marie
;  APPLICANT:  Kuhn, Georg
;  APPLICANT:  Plate, Karlheinz
;  APPLICANT:  Schnazer, Anne
;  APPLICANT:  Wachs, Frank-Peter
;  APPLICANT:  Zhao, Ming
;  TITLE OF INVENTION: Treatment of Central Nervous System Disorders
;  FILE REFERENCE: 21882-504 (PDGF/VEGF)
;  CURRENT APPLICATION NUMBER: US/10/246,091
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: 60/323,381
;  PRIOR FILING DATE: 2001-09-19
;  PRIOR APPLICATION NUMBER: 60/326,044
;  PRIOR FILING DATE: 2001-09-28
;  NUMBER OF SEQ ID NOS: 32
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-10-246-091-20

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        254 TGACCAAGTACCACAGCGAT 273
              ||| ||||  |||||| |||
Db          1 TGAGCAAGGCCCACAGGGAT 20
```

```
ESULT 881
S-10-316-175-3/c
 Sequence 3, Application US/10316175
 Publication No. US20030211065A1
 GENERAL INFORMATION:
  APPLICANT: WELLA AG
  APPLICANT:  Pras, Elon
  APPLICANT:  Levy-Nissenbaum, Etgar
  APPLICANT:  Frydman, Moshe
  APPLICANT:  Thederahn, Ted
  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
  TITLE OF INVENTION:  AND TREATING HYPOTRICHOSIS SIMPLEX
  FILE REFERENCE: 532862000100
  CURRENT APPLICATION NUMBER: US/10/316,175
  CURRENT FILING DATE:  2002-12-09
  PRIOR APPLICATION NUMBER: 60/338,188
  PRIOR FILING DATE: 2001-12-07
  NUMBER OF SEQ ID NOS: 73
  SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 3
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: primer
S-10-316-175-3

 Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
 Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
 Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1539 GCTGAGTCCCTCACGTTTCT 1558
             |||   |||||||| |||||
Db         20 GCTTCCTCCCTCACCTTTCT 1


ESULT 882
S-10-446-373-66/c
 Sequence 66, Application US/10446373
 Publication No. US20030204076A1
 GENERAL INFORMATION:
  APPLICANT: C. Frank Bennett
  APPLICANT:  Andrew T. Watt
  TITLE OF INVENTION: ANTISENSE MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPT
  TITLE OF INVENTION:  EXPRESSION
  FILE REFERENCE: RTS-0232
  CURRENT APPLICATION NUMBER: US/10/446,373
  CURRENT FILING DATE:  2003-05-28
  PRIOR APPLICATION NUMBER: US/09/953,318
  PRIOR FILING DATE: 2001-09-13
  NUMBER OF SEQ ID NOS: 154
 SEQ ID NO 66
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
US-10-446-373-66

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       479 TGCACCATGCAAAGAAGTCC 498
             ||||||| |||| || | ||
Db        20 TGCACCAAGCAAGGAGGGCC 1


RESULT 883
US-10-446-373-151
; Sequence 151, Application US/10446373
; Publication No. US20030204076A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPT
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTS-0232
;  CURRENT APPLICATION NUMBER: US/10/446,373
;  CURRENT FILING DATE:  2003-05-28
;  PRIOR APPLICATION NUMBER: US/09/953,318
;  PRIOR FILING DATE: 2001-09-13
;  NUMBER OF SEQ ID NOS: 154
; SEQ ID NO 151
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-446-373-151

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       616 GAGGCCTTCTACACCACGGA 635
             ||||  | | ||||||||||
Db         1 GAGGAGTACAACACCACGGA 20


RESULT 884
US-10-403-902A-107
; Sequence 107, Application US/10403902A
; Publication No. US20030224418A1
; GENERAL INFORMATION:
;  APPLICANT: Braun, Andreas
;  APPLICANT:  Bansal, Aruna
;  APPLICANT:  Kleyn, Patrick
;  TITLE OF INVENTION: GENES AND POLYMORPHISMS ASSOCIATED WITH
;  TITLE OF INVENTION:  CARDIOVASCULAR DISEASE AND THEIR USE
;  FILE REFERENCE: 24736-2048B
;  CURRENT APPLICATION NUMBER: US/10/403,902A
;  CURRENT FILING DATE:  2003-07-21
;  PRIOR APPLICATION NUMBER: 09/802,640
;  PRIOR FILING DATE: 2001-03-09
;  NUMBER OF SEQ ID NOS: 122
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 107
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-10-403-902A-107

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       366 AGTATTCGATGGCCTGTTTG 385
             ||| | | |||| |||||||
Db         1 AGTGTCCTATGGGCTGTTTG 20


RESULT 885
US-10-010-066-48/c
; Sequence 48, Application US/10010066
; Publication No. US20020173001A1
; GENERAL INFORMATION:
;  APPLICANT: University of Iowa Research Foundation
;  APPLICANT:  Schwartz, David A.
;  APPLICANT:  Schutte, Brian C.
;  TITLE OF INVENTION: Variant TLR4 nucleic acid and uses thereof
;  FILE REFERENCE: 875.010WO1
```

```
;  CURRENT APPLICATION NUMBER: US/10/010,066
;  CURRENT FILING DATE:  2001-12-07
;  PRIOR APPLICATION NUMBER: US 09/329,515
;  PRIOR FILING DATE: 1999-06-10
;  NUMBER OF SEQ ID NOS: 72
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 48
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-010-066-48

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1504 TTGGCCTGAATGGACCTCTC 1523
                ||| |||   ||||||||||
Db         20 TTGACCTTCCTGGACCTCTC 1


RESULT 886
US-10-017-736-5
; Sequence 5, Application US/10017736
; Publication No. US20020192640A1
; GENERAL INFORMATION:
;  APPLICANT: Boehringer Ingelheim (Canada) Ltd.
;  TITLE OF INVENTION: Purified Active HCV NS2/3 Protease
;  FILE REFERENCE: 13/082
;  CURRENT APPLICATION NUMBER: US/10/017,736
;  CURRENT FILING DATE:  2001-12-14
;  PRIOR APPLICATION NUMBER: 60/256,031
;  PRIOR FILING DATE: 2000-12-15
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: HCV
US-10-017-736-5

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        629 CCACGGACCGGGTCATGACT 648
                ||| ||||||||  ||| ||
Db          1 CCATGGACCGGGAGATGGCT 20


RESULT 887
US-10-071-822A-9
; Sequence 9, Application US/10071822A
; Publication No. US20030027780A1
; GENERAL INFORMATION:
;  APPLICANT: Hardee, Gregory E.
;  APPLICANT:  Tillman, Lloyd G.
;  APPLICANT:  Gonzales-Ferreiro, Maria
;  APPLICANT:  Mehta, Rahul C.
;  APPLICANT:  Teng, Ching-Leou
;  TITLE OF INVENTION: Multiparticulate Formulation
;  FILE REFERENCE: ISIS4947
;  CURRENT APPLICATION NUMBER: US/10/071,822A
;  CURRENT FILING DATE:  2002-02-08
;  PRIOR APPLICATION NUMBER: US/09/256,515
;  PRIOR FILING DATE: 1999-02-23
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Oligonucleotide Sequence
US-10-071-822A-9

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        845 GTGGCTCAGACTCCCTATCT 864
                |||   ||||| ||||||||
Db          1 GTGTGCCAGACACCCTATCT 20


RESULT 888
US-10-029-598-52
; Sequence 52, Application US/10029598
; Publication No. US20030040497A1
; GENERAL INFORMATION:
;  APPLICANT: Teng, Ching-Leou
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Tillman, Lloyd
;  APPLICANT:  Hardee, Gregory E.
;  APPLICANT:  Ecker, David J.
;  APPLICANT:  Manoharan, Muthiah
;  TITLE OF INVENTION: Compositions And Methods For No. US20030040497A1-Parental Delive
;  FILE REFERENCE: ISIS4945
;  CURRENT APPLICATION NUMBER: US/10/029,598
;  CURRENT FILING DATE:  2001-12-21
;  PRIOR APPLICATION NUMBER: 08/082,624
;  PRIOR FILING DATE: 1998-05-21
;  PRIOR APPLICATION NUMBER: 09/315,298
;  PRIOR FILING DATE: 1999-05-20
;  NUMBER OF SEQ ID NOS: 58
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Sequence
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(4)
;   OTHER INFORMATION: 2'-O-methoxyethyl
;   NAME/KEY: misc_feature
;   LOCATION: (17)..(20)
;   OTHER INFORMATION: 2'-O-methoxyethyl
;   NAME/KEY: misc_feature
;   LOCATION: (6)..(7)
;   OTHER INFORMATION: 5'-methyl
;   NAME/KEY: misc_feature
;   LOCATION: (11)..(11)
;   OTHER INFORMATION: 5'-methyl
;   NAME/KEY: misc_feature
;   LOCATION: (13)..(15)
;   OTHER INFORMATION: 5'-methyl
;   NAME/KEY: misc_feature
;   LOCATION: (19)..(19)
;   OTHER INFORMATION: 5'-methyl
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(20)
;   OTHER INFORMATION: Phosphorothioate linkage
US-10-029-598-52

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        845 GTGGCTCAGACTCCCTATCT 864
                |||   ||||| ||||||||
Db          1 GTGTGCCAGACACCCTATCT 20


RESULT 889
US-10-113-824-6/c
```

```
Sequence 6, Application US/10113824
Publication No. US20030050269A1
GENERAL INFORMATION:
 APPLICANT: Escary, Jean-Louis
 TITLE OF INVENTION: NEW POLYNUCLEOTIDES AND POLYPEPTIDES OF THE ERYTHROPOIETIN GENE
 FILE REFERENCE: 021349/0037
 CURRENT APPLICATION NUMBER: US/10/113,824
 CURRENT FILING DATE:  2002-03-29
 PRIOR APPLICATION NUMBER: FR 0104603
 PRIOR FILING DATE: 2001-04-04
 PRIOR APPLICATION NUMBER: US 60/343163
 PRIOR FILING DATE: 2001-12-21
 PRIOR APPLICATION NUMBER: US 60/345,440
 PRIOR FILING DATE: 2002-01-04
 PRIOR APPLICATION NUMBER: US 60/358,598
 PRIOR FILING DATE: 2002-02-21
 NUMBER OF SEQ ID NOS: 22
 SOFTWARE: PatentIn version 3.1
SEQ ID NO 6
  LENGTH: 20
  TYPE: DNA
  ORGANISM: Homo sapiens
S-10-113-824-6

 Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
 Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
 Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

y       1401 GGATGAAAAAGAGAAAGACC 1420
             ||||||||  ||||| || |
b         20 GGATGAAAGGGAGAATGATC 1


ESULT 890
S-10-181-107-99/c
 Sequence 99, Application US/10181107
 Publication No. US20030083295A1
 GENERAL INFORMATION:
  APPLICANT: Hong Zhang
  APPLICANT:  Lex M. Cowsert
  TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 3 EXPRESSION
  FILE REFERENCE: RTSP-0325
  CURRENT APPLICATION NUMBER: US/10/181,107
  CURRENT FILING DATE:  2002-07-11
  PRIOR APPLICATION NUMBER: PCT/US01/00888
  PRIOR FILING DATE: 2001-01-11
  PRIOR APPLICATION NUMBER: 09/484,617
  PRIOR FILING DATE: 2000-01-18
  NUMBER OF SEQ ID NOS: 176
 SEQ ID NO 99
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
JS-10-181-107-99

 Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
 Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
 Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       105 CTACGACGGGGATGTTGGAA 124
             || || ||||||  ||||||
Db        20 CTGCGGCGGGGAGCTTGGAA 1


RESULT 891
US-10-181-177-49
; Sequence 49, Application US/10181177
; Publication No. US20030083296A1
; GENERAL INFORMATION:
;  APPLICANT: Hong Zhang
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 8 EXPRESSION
;  FILE REFERENCE: RTSP-0334
;  CURRENT APPLICATION NUMBER: US/10/181,177
;  CURRENT FILING DATE:  2002-07-12
;  PRIOR APPLICATION NUMBER: PCT/US01/00955
;  PRIOR FILING DATE: 2001-01-11
;  PRIOR APPLICATION NUMBER: 09/487,445
;  PRIOR FILING DATE: 2000-01-19
;  NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 49
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-181-177-49

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2024 TCTAGTTTCCTTTTTGAGAT 2043
              || ||||| | ||| |||||
Db          1 TCCAGTTTGCATTTGGAGAT 20


RESULT 892
US-10-181-846-69/c
; Sequence 69, Application US/10181846
; Publication No. US20030083297A1
; GENERAL INFORMATION:
;  APPLICANT: Nicholas M. Dean
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF DAXX EXPRESSION
;  FILE REFERENCE: RTSP-0363
;  CURRENT APPLICATION NUMBER: US/10/181,846
;  CURRENT FILING DATE:  2002-07-17
;  PRIOR APPLICATION NUMBER: PCT/US01/01416
;  PRIOR FILING DATE: 2001-01-16
;  PRIOR APPLICATION NUMBER: 09/490,692
;  PRIOR FILING DATE: 2000-01-24
;  NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 69
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-181-846-69

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1319 AGTTCTCCGATTCTGAAGAG 1338
              ||  | | ||||||||||||
Db         20 AGGCCACAGATTCTGAAGAG 1


RESULT 893
US-10-238-443-73
; Sequence 73, Application US/10238443
; Publication No. US20030083302A1
; GENERAL INFORMATION:
;  APPLICANT: Donna T. Ward
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF RECQL5 EXPRESSION
;  FILE REFERENCE: RTS-0203
;  CURRENT APPLICATION NUMBER: US/10/238,443
;  CURRENT FILING DATE:  2002-09-09
;  PRIOR APPLICATION NUMBER: US/09/798,185
;  PRIOR FILING DATE: 2001-03-01
;  NUMBER OF SEQ ID NOS: 92
```

```
; SEQ ID NO 73
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-238-443-73

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1227 CATCCCTGAGGAGAGTGGCG 1246
             |||||| || ||| |||| |
Db          1 CATCCCAGAAGAGGGTGGAG 20


RESULT 894
US-10-271-887-87
; Sequence 87, Application US/10271887
; Publication No. US20030087871A1
; GENERAL INFORMATION:
;  APPLICANT: Hong Zhang
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 9 EXPRESSION
;  FILE REFERENCE: RTS-0183
;  CURRENT APPLICATION NUMBER: US/10/271,887
;  CURRENT FILING DATE:  2002-10-15
;  PRIOR APPLICATION NUMBER: US/09/659,845A
;  PRIOR FILING DATE: 2001-07-23
;  NUMBER OF SEQ ID NOS: 174
; SEQ ID NO 87
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
JS-10-271-887-87

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        153 GAAGCCTCACCGAATCCGCA 172
              | || |||||| |||| |||
Db          1 GGAGACTCACCAAATCTGCA 20


RESULT 895
US-10-271-887-165
; Sequence 165, Application US/10271887
; Publication No. US20030087871A1
; GENERAL INFORMATION:
;  APPLICANT: Hong Zhang
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 9 EXPRESSION
;  FILE REFERENCE: RTS-0183
;  CURRENT APPLICATION NUMBER: US/10/271,887
;  CURRENT FILING DATE:  2002-10-15
;  PRIOR APPLICATION NUMBER: US/09/659,845A
;  PRIOR FILING DATE: 2001-07-23
;  NUMBER OF SEQ ID NOS: 174
; SEQ ID NO 165
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-271-887-165

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1682 GCTCTTCCAGGAGCCACCTT 1701
              | | | |||||||||||| ||
Db          1 GATGTACCAGGAGCCACTTT 20


RESULT 896
US-10-161-803-2/c
; Sequence 2, Application US/10161803
; Publication No. US20030092028A1
; GENERAL INFORMATION:
;  APPLICANT: Ma, Yuanhong
;  APPLICANT:  Lih, Chih-Jian
;  APPLICANT:  Chen, Fan
;  APPLICANT:  Fairman, Jeffery
;  APPLICANT:  Chen, Yii-Der I.
;  TITLE OF INVENTION: METHODS AND REAGENTS FOR DIAGNOSIS AND
;  TITLE OF INVENTION:  TREATMENT OF INSULIN RESISTANCE AND RELATED CONDITIONS
;  FILE REFERENCE: 421452000300
;  CURRENT APPLICATION NUMBER: US/10/161,803
;  CURRENT FILING DATE:  2002-06-03
;  PRIOR APPLICATION NUMBER: US 60/295,264
;  PRIOR FILING DATE: 2001-06-01
;  NUMBER OF SEQ ID NOS: 61
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Construct
US-10-161-803-2

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1871 AAGGATCTCCTGTTTTTTTC 1890
              || |||||| ||  ||||||
Db         20 AATGATCTCTTGCCTTTTTC 1


RESULT 897
US-10-006-430-35/c
; Sequence 35, Application US/10006430
; Publication No. US20030113914A1
; GENERAL INFORMATION:
;  APPLICANT: Mark J. Graham
;  APPLICANT:  Kenneth Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CD81 EXPRESSION
;  FILE REFERENCE: RTS-0341
;  CURRENT APPLICATION NUMBER: US/10/006,430
;  CURRENT FILING DATE:  2001-12-10
;  NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 35
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-006-430-35

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        238 GCCAATGCTGAGGAGATGAC 257
              ||||| |||| || || |||
Db         20 GCCAAGGCTGTGGTGAAGAC 1


RESULT 898
US-10-279-186-20
```

Sequence 20, Application US/10279186
Publication No. US20030114407A1
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF G PROTEIN-COUPLED RECEPTOR
TITLE OF INVENTION: ETBR-LP-2 EXPRESSION
FILE REFERENCE: RTS-0346
CURRENT APPLICATION NUMBER: US/10/279,186
CURRENT FILING DATE: 2002-10-23
PRIOR APPLICATION NUMBER: US/10/003,126
PRIOR FILING DATE: 2001-12-06
NUMBER OF SEQ ID NOS: 87
SEQ ID NO 20
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
S-10-279-186-20

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1177 ATGCTGCCGCACGCACCTGG 1196
|| |||| |||||| | |||
Db 1 ATACTGCTGCACGCCCTTGG 20

RESULT 899
US-10-309-362-73
Sequence 73, Application US/10309362
Publication No. US20030114412A1
GENERAL INFORMATION:
APPLICANT: Donna T. Ward
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF RECQL5 EXPRESSION
FILE REFERENCE: RTS-0203
CURRENT APPLICATION NUMBER: US/10/309,362
CURRENT FILING DATE: 2002-12-03
PRIOR APPLICATION NUMBER: US/09/798,185
PRIOR FILING DATE: 2001-03-01
NUMBER OF SEQ ID NOS: 92
SEQ ID NO 73
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-10-309-362-73

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1227 CATCCCTGAGGAGAGTGGCG 1246
|||||| || ||| |||| |
Db 1 CATCCCAGAAGAGGGTGGAG 20

RESULT 900
US-10-006-366-40/c
; Sequence 40, Application US/10006366
; Publication No. US20030125273A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF MHC CLASS II TRANSACTIVATOR EXPRESSION
; FILE REFERENCE: RTS-0332
; CURRENT APPLICATION NUMBER: US/10/006,366
; CURRENT FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 40
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-006-366-40

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1492 GAGGAGGTCAAGTTGGCCTG 1511
||| || |||| |||||||
Db 20 GAGCTGGCCAAGCTGGCCTG 1

RESULT 901
US-10-006-911-12
; Sequence 12, Application US/10006911
; Publication No. US20030125274A1
; GENERAL INFORMATION:
; APPLICANT: William Gaarde
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF COLLAPSIN RESPONSE MEDIATOR PROTEIN 2 EXI
; FILE REFERENCE: RTS-0200
; CURRENT APPLICATION NUMBER: US/10/006,911
; CURRENT FILING DATE: 2001-11-08
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 12
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-006-911-12

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1091 TCCACATCAGTCCTTCCAAT 1110
| |||| |||| | ||||||
Db 1 TTCACACCAGTACCTCCAAT 20

RESULT 902
US-10-010-002-79/c
; Sequence 79, Application US/10010002
; Publication No. US20030125277A1
; GENERAL INFORMATION:
; APPLICANT: Brenda F. Baker
; APPLICANT: Kenneth Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF ACTIVATING TRANSCRIPTION FACTOR 3 EXPRES
; FILE REFERENCE: RTS-0331
; CURRENT APPLICATION NUMBER: US/10/010,002
; CURRENT FILING DATE: 2001-11-08
; NUMBER OF SEQ ID NOS: 91
; SEQ ID NO 79
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-010-002-79

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1014 TGTGGCCCTGGATACGGAGA 1033
|||| ||| ||| ||||||
Db 20 TGTGTCCCAGGAGTCGGAGA 1

```
RESULT 903
US-10-293-783-31
; Sequence 31, Application US/10293783
; Publication No. US20030130222A1
; GENERAL INFORMATION:
;  APPLICANT: Hong Zhang
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF BH3 INTERACTING DOMAIN DEATH AGONIST EXPR
;  FILE REFERENCE: ISPH-0544
;  CURRENT APPLICATION NUMBER: US/10/293,783
;  CURRENT FILING DATE:  2002-11-13
;  PRIOR APPLICATION NUMBER: US/09/800,631
;  PRIOR FILING DATE: 2001-03-07
;  PRIOR APPLICATION NUMBER: US/09/657,346
;  PRIOR FILING DATE: 2000-09-07
;  NUMBER OF SEQ ID NOS: 175
; SEQ ID NO 31
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-293-783-31

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         64 ATGGCGCAGACGCAGGGCAC 83
              | || |||| |||| |||||
Db          1 ACGGAGCAGCCGCATGGCAC 20


RESULT 904
US-10-281-479A-18/c
; Sequence 18, Application US/10281479A
; Publication No. US20030133932A1
; GENERAL INFORMATION:
;  APPLICANT: The UAB Research Foundation
;  APPLICANT:  Zhou, Tong
;  APPLICANT:  Ichikawa, Kimihisa
;  APPLICANT:  Kimberly, Robert P.
;  APPLICANT:  Koopman, William J.
;  APPLICANT:  Oshumi, Jun
;  APPLICANT:  LoBuglio, Albert S.
;  APPLICANT:  Buchsbaum, Donald J.
;  TITLE OF INVENTION: COMBINATIONS OF ANTIBODIES SELECTIVE FOR A TUMOR NECROSIS
;  TITLE OF INVENTION:  FACTOR-RELATED APOPTOSIS-INDUCING LIGAND RECEPTOR AND OTHER THER
;  TITLE OF INVENTION:  AGENTS
;  FILE REFERENCE: 21085.0029U6
;  CURRENT APPLICATION NUMBER: US/10/281,479A
;  CURRENT FILING DATE:  2003-01-28
;  PRIOR APPLICATION NUMBER: 60/391,478
;  PRIOR FILING DATE: 2002-06-24
;  PRIOR APPLICATION NUMBER: 60/346,402
;  PRIOR FILING DATE: 2001-11-01
;  PRIOR APPLICATION NUMBER: PCT/US01/14151
;  PRIOR FILING DATE: 2001-05-02
;  PRIOR APPLICATION NUMBER: 60/201,344
;  PRIOR FILING DATE: 2000-05-02
;  NUMBER OF SEQ ID NOS: 102
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 18
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:/No. US20030133932A1e = Synthe
US-10-281-479A-18

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         634 GACCGGGTCATGACTGTGTC 653
               ||| ||||||| ||  ||||
Db          20 GACTGGGTCATCACAATGTC 1


RESULT 905
US-10-281-479A-20
; Sequence 20, Application US/10281479A
; Publication No. US20030133932A1
; GENERAL INFORMATION:
;  APPLICANT: The UAB Research Foundation
;  APPLICANT:  Zhou, Tong
;  APPLICANT:  Ichikawa, Kimihisa
;  APPLICANT:  Kimberly, Robert P.
;  APPLICANT:  Koopman, William J.
;  APPLICANT:  Oshumi, Jun
;  APPLICANT:  LoBuglio, Albert S.
;  APPLICANT:  Buchsbaum, Donald J.
;  TITLE OF INVENTION: COMBINATIONS OF ANTIBODIES SELECTIVE FOR A TUMOR NECROSIS
;  TITLE OF INVENTION:  FACTOR-RELATED APOPTOSIS-INDUCING LIGAND RECEPTOR AND OTHER THE
;  TITLE OF INVENTION:  AGENTS
;  FILE REFERENCE: 21085.0029U6
;  CURRENT APPLICATION NUMBER: US/10/281,479A
;  CURRENT FILING DATE:  2003-01-28
;  PRIOR APPLICATION NUMBER: 60/391,478
;  PRIOR FILING DATE: 2002-06-24
;  PRIOR APPLICATION NUMBER: 60/346,402
;  PRIOR FILING DATE: 2001-11-01
;  PRIOR APPLICATION NUMBER: PCT/US01/14151
;  PRIOR FILING DATE: 2001-05-02
;  PRIOR APPLICATION NUMBER: 60/201,344
;  PRIOR FILING DATE: 2000-05-02
;  NUMBER OF SEQ ID NOS: 102
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:/No. US20030133932A1e = Synth
US-10-281-479A-20

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         634 GACCGGGTCATGACTGTGTC 653
               ||| ||||||| ||  ||||
Db           1 GACTGGGTCATCACAATGTC 20


RESULT 906
US-10-006-191-69/c
; Sequence 69, Application US/10006191
; Publication No. US20030144223A1
; GENERAL INFORMATION:
;  APPLICANT: William Gaarde
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CONNECTIVE TISSUE GROWTH FACTOR EXPRESSIC
;  FILE REFERENCE: RTS-0274
;  CURRENT APPLICATION NUMBER: US/10/006,191
;  CURRENT FILING DATE:  2001-12-10
;  NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 69
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-006-191-69
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```
 Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
 Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
 Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

y       1260 CGACCCTGACAAGCGCATCT 1279
             ||||||  ||||| || |||
b         20 CGACCCGCACAAGGGCCTCT 1


ESULT 907
S-10-227-988A-12
 Sequence 12, Application US/10227988A
 Publication No. US20030148322A1
 GENERAL INFORMATION:
  APPLICANT: Mulder, Kathleen M.
  TITLE OF INVENTION: Control of TGFB Growth Factor Signaling by km23 and its Derivativ
  FILE REFERENCE: 1151-3 CIP
  CURRENT APPLICATION NUMBER: US/10/227,988A
  CURRENT FILING DATE:  2002-08-26
  PRIOR APPLICATION NUMBER: U.S. Provisional Application Serial No. US20030148322A1 60/
  PRIOR FILING DATE: 2000-02-25
  PRIOR APPLICATION NUMBER: U.S. Provisional Application Serial No. US20030148322A1 60/
  PRIOR FILING DATE: 2000-10-23
  PRIOR APPLICATION NUMBER: International Application No. US20030148322A1  PCT/US01/061
  PRIOR FILING DATE: 2001-02-26
  NUMBER OF SEQ ID NOS: 23
  SOFTWARE: PatentIn version 3.1
 SEQ ID NO 12
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: synthetic primer
S-10-227-988A-12

 Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
 Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
 Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

)y      1799 TGCCAAGTGCCTGCTTAGTA 1818
             ||||| |||||||  || ||
)b        1 TGCCAGGTGCCTGAGTATTA 20


RESULT 908
JS-10-348-485-14
; Sequence 14, Application US/10348485
; Publication No. US20030148989A1
; GENERAL INFORMATION:
;  APPLICANT: Bennett, C. Frank
;  APPLICANT:  Dean, Nicholas M.
;  APPLICANT:  Holmlund, Jon T.
;  APPLICANT:  Dorr, F. Andrew
;  TITLE OF INVENTION: Oligonucleotide Modulation Of Protein Kinase C
;  FILE REFERENCE: ISIS4954
;  CURRENT APPLICATION NUMBER: US/10/348,485
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/10/025,139
;  PRIOR FILING DATE: 2001-12-18
;  PRIOR APPLICATION NUMBER: US 08/829,637
;  PRIOR FILING DATE: 1997-03-31
;  PRIOR APPLICATION NUMBER: US 08/478,178
;  PRIOR FILING DATE: 1995-06-07
;  PRIOR APPLICATION NUMBER: US 08/089,996
;  PRIOR FILING DATE: 1993-07-09
;  PRIOR APPLICATION NUMBER: US 07/852,852
;  PRIOR FILING DATE: 1992-03-16
;  NUMBER OF SEQ ID NOS: 121
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-348-485-14

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy      1409 AAGAGAAAGACCCAGAGGAG 1428
             |||||| |||||| ||  ||
Db         1 AAGAGAGAGACCCTGAACAG 20


RESULT 909
US-10-083-246A-118
; Sequence 118, Application US/10083246A
; Publication No. US20030152936A1
; GENERAL INFORMATION:
;  APPLICANT: Athena Diagnostics
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR GENETIC ANALYSIS OF POLYCYSTIC KIDNE
;  TITLE OF INVENTION:  DISEASE
;  FILE REFERENCE: 1133/2002
;  CURRENT APPLICATION NUMBER: US/10/083,246A
;  CURRENT FILING DATE:  2002-10-15
;  NUMBER OF SEQ ID NOS: 168
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 118
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(20)
;   OTHER INFORMATION: Synthetic primer
US-10-083-246A-118

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy      1694 GCCACCTTGCCACCCATTCT 1713
             ||| |||  |||||| ||||
Db         1 GCCCCCTCACCACCCCTTCT 20


RESULT 910
US-10-220-564-3
; Sequence 3, Application US/10220564
; Publication No. US20030157672A1
; GENERAL INFORMATION:
;  APPLICANT: Ress-Loeschke, Marion
;  APPLICANT:  Hauer, Bernhard
;  APPLICANT:  Mattes, Ralif
;  APPLICANT:  Engels, Dirk
;  TITLE OF INVENTION: Nitrilase from Rhodococcus rhodochrous NCIMB 11216
;  FILE REFERENCE: PF 0000051224/UP
;  CURRENT APPLICATION NUMBER: US/10/220,564
;  CURRENT FILING DATE:  2002-10-17
;  PRIOR APPLICATION NUMBER: PCT/EP/01/02191
;  PRIOR FILING DATE: 2001-02-27
;  NUMBER OF SEQ ID NOS: 5
;  SOFTWARE: WordPerfect version 6.1
; SEQ ID NO 3
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide probe
US-10-220-564-3

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
```

```
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        666 TGGAGAGTACTTCCCAGGAA 685
              |||| ||| ||||||| | |
Db          1 TGGAAAGTGCTTCCCAAGCA 20


RESULT 911
US-10-240-689-31
; Sequence 31, Application US/10240689
; Publication No. US20030175743A1
; GENERAL INFORMATION:
;  APPLICANT: NG, Wee Chit
;  TITLE OF INVENTION: Molecular Markers
;  FILE REFERENCE: 6565-65001/RJP
;  CURRENT APPLICATION NUMBER: US/10/240,689
;  CURRENT FILING DATE:  2002-09-30
;  PRIOR APPLICATION NUMBER: SG 200002150-1
;  PRIOR FILING DATE: 2000-04-18
;  NUMBER OF SEQ ID NOS: 41
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 31
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial
;   FEATURE:
;   OTHER INFORMATION: Primer
US-10-240-689-31

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1138 CTGGAGAAGATCAAACAGCG 1157
              |||  || |||||||| |||
Db          1 CTGTCGATGATCAAACTGCG 20


RESULT 912
US-10-289-757-215/c
; Sequence 215, Application US/10289757
; Publication No. US20030180751A1
; GENERAL INFORMATION:
;  APPLICANT: Demmer, Jeroen
;  APPLICANT:  Forster, Richard L
;  APPLICANT:  Gibson, John Bryan
;  APPLICANT:  Shenk, Michael Andrew
;  APPLICANT:  No. US20030180751A1riss, Geoffrey
;  APPLICANT:  Glenn, Matthew
;  APPLICANT:  Saulsbury, Keith Martin
;  APPLICANT:  Hall, Claire
;  TITLE OF INVENTION: Compositions isolated from forage
;  TITLE OF INVENTION:  grasses and methods for their use
;  FILE REFERENCE: 11000.1061U
;  CURRENT APPLICATION NUMBER: US/10/289,757
;  CURRENT FILING DATE:  2002-11-07
;  PRIOR APPLICATION NUMBER: 60/337,703
;  PRIOR FILING DATE: 2001-11-07
;  NUMBER OF SEQ ID NOS: 218
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 215
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Made in the lab
US-10-289-757-215

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1958 GTGAGCCAAGAAACACTGCC 1977
              || ||| |||||||| |||
Db         20 GTAAGCGAAGAAACATGGCC 1


RESULT 913
US-10-165-099-164/c
; Sequence 164, Application US/10165099
; Publication No. US20030188326A1
; GENERAL INFORMATION:
;  APPLICANT: D'Andrea, Alan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS OF CANCER SUSCEPTIBIL
;  TITLE OF INVENTION:  DEFECTIVE DNA REPAIR MECHANISMS AND TREATMENT THEREOF
;  FILE REFERENCE: 7032/2055
;  CURRENT APPLICATION NUMBER: US/10/165,099
;  CURRENT FILING DATE:  2002-06-06
;  PRIOR APPLICATION NUMBER: US 09/998,027
;  PRIOR FILING DATE: 2001-11-02
;  PRIOR APPLICATION NUMBER: US 60/245,756
;  PRIOR FILING DATE: 2000-11-03
;  NUMBER OF SEQ ID NOS: 352
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 164
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-10-165-099-164

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1638 GACAGAAACCAAGGCCCCGA 1657
              |||||  |||||||| | ||
Db         20 GACAGTCACCAAGGCACTGA 1


RESULT 914
US-10-275-180A-18/c
; Sequence 18, Application US/10275180A
; Publication No. US20030190687A1
; GENERAL INFORMATION:
;  APPLICANT: The UAB Research Foundation
;  APPLICANT:  Zhou, Tong
;  APPLICANT:  Ichikawa, Kimihisa
;  APPLICANT:  Kimberly, Robert P.
;  APPLICANT:  Koopman, William J.
;  TITLE OF INVENTION: AN ANTIBODY SELECTIVE FOR A TUMOR NECROSIS FACTOR-RELATED APOPTO
;  TITLE OF INVENTION:  INDUCING LIGAND RECEPTOR AND USES THEREOF
;  FILE REFERENCE: 21085.0029U5
;  CURRENT APPLICATION NUMBER: US/10/275,180A
;  CURRENT FILING DATE:  2002-10-31
;  NUMBER OF SEQ ID NOS: 102
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 18
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:/No. US20030190687A1e =
;   OTHER INFORMATION: Synthetic Construct
US-10-275-180A-18

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        634 GACCGGGTCATGACTGTGTC 653
              ||| ||||||| ||  ||||
Db         20 GACTGGGTCATCACAATGTC 1
```

```
ESULT 915
S-10-275-180A-20
 Sequence 20, Application US/10275180A
 Publication No. US20030190687A1
 GENERAL INFORMATION:
  APPLICANT: The UAB Research Foundation
  APPLICANT:  Zhou, Tong
  APPLICANT:  Ichikawa, Kimihisa
  APPLICANT:  Kimberly, Robert P.
  APPLICANT:  Koopman, William J.
  TITLE OF INVENTION: AN ANTIBODY SELECTIVE FOR A TUMOR NECROSIS FACTOR-RELATED APOPTOS
  TITLE OF INVENTION:  INDUCING LIGAND RECEPTOR AND USES THEREOF
  FILE REFERENCE: 21085.0029U5
  CURRENT APPLICATION NUMBER: US/10/275,180A
  CURRENT FILING DATE:  2002-10-31
  NUMBER OF SEQ ID NOS: 102
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 20
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence:/No. US20030190687A1e =
   OTHER INFORMATION: Synthetic Construct
IS-10-275-180A-20

 Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
 Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
 Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       634 GACCGGGTCATGACTGTGTC 653
             ||| ||||||| ||  ||||
Db         1 GACTGGGTCATCACAATGTC 20


RESULT 916
JS-10-302-262-35/c
; Sequence 35, Application US/10302262
; Publication No. US20030191300A1
; GENERAL INFORMATION:
;  APPLICANT: Bennett, C. Frank
;  APPLICANT:  Dean, Nicholas M.
;  APPLICANT:  Monia, Brett P.
;  APPLICANT:  Nickoloff, Brian J.
;  APPLICANT:  Zhang, QingQing
;  TITLE OF INVENTION: Antisense Modulation of bcl-x Expression
;  FILE REFERENCE: ISPH-0528
;  CURRENT APPLICATION NUMBER: US/10/302,262
;  CURRENT FILING DATE:  2002-11-21
;  PRIOR APPLICATION NUMBER: US/09/734,846
;  PRIOR FILING DATE: 2000-12-12
;  PRIOR APPLICATION NUMBER: 09/277,020
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 09/167,921
;  PRIOR FILING DATE: 1998-10-07
;  PRIOR APPLICATION NUMBER: 09/323,743
;  PRIOR FILING DATE: 1999-06-02
;  NUMBER OF SEQ ID NOS: 74
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 35
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-302-262-35

  Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy      1763 GATACTTTTATGCAACCATA 1782
             |||||||||| || |||  ||
Db           20 GATACTTTTGTGGAACTCTA 1


RESULT 917
US-10-286-132A-18/c
; Sequence 18, Application US/10286132A
; Publication No. US20030198637A1
; GENERAL INFORMATION:
;  APPLICANT: Zhou, Tong
;  APPLICANT:  Kimberly, Robert P.
;  APPLICANT:  Koopman, William J.
;  APPLICANT:  LoBuglio, Albert S.
;  APPLICANT:  Buchsbaum, Donald J.
;  TITLE OF INVENTION: AN ANTIBODY SELECTIVE FOR A TUMOR NECROSIS FACTOR-RELATED
;  TITLE OF INVENTION:  APOPTOSIS-INDUCING LIGAND RECEPTOR AND USES THEREOF
;  FILE REFERENCE: 21085.0029U7
;  CURRENT APPLICATION NUMBER: US/10/286,132A
;  CURRENT FILING DATE:  2003-01-22
;  PRIOR APPLICATION NUMBER: US 60/346,402
;  PRIOR FILING DATE: 2001-11-01
;  PRIOR APPLICATION NUMBER: PCT/US01/14151
;  PRIOR FILING DATE: 2001-05-02
;  PRIOR APPLICATION NUMBER: US 60/201,344
;  PRIOR FILING DATE: 2000-05-02
;  NUMBER OF SEQ ID NOS: 102
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 18
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:/No. US20030198637A1e = Synth
US-10-286-132A-18

  Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       634 GACCGGGTCATGACTGTGTC 653
             ||| ||||||| ||  ||||
Db        20 GACTGGGTCATCACAATGTC 1


RESULT 918
US-10-286-132A-20
; Sequence 20, Application US/10286132A
; Publication No. US20030198637A1
; GENERAL INFORMATION:
;  APPLICANT: Zhou, Tong
;  APPLICANT:  Kimberly, Robert P.
;  APPLICANT:  Koopman, William J.
;  APPLICANT:  LoBuglio, Albert S.
;  APPLICANT:  Buchsbaum, Donald J.
;  TITLE OF INVENTION: AN ANTIBODY SELECTIVE FOR A TUMOR NECROSIS FACTOR-RELATED
;  TITLE OF INVENTION:  APOPTOSIS-INDUCING LIGAND RECEPTOR AND USES THEREOF
;  FILE REFERENCE: 21085.0029U7
;  CURRENT APPLICATION NUMBER: US/10/286,132A
;  CURRENT FILING DATE:  2003-01-22
;  PRIOR APPLICATION NUMBER: US 60/346,402
;  PRIOR FILING DATE: 2001-11-01
;  PRIOR APPLICATION NUMBER: PCT/US01/14151
;  PRIOR FILING DATE: 2001-05-02
;  PRIOR APPLICATION NUMBER: US 60/201,344
;  PRIOR FILING DATE: 2000-05-02
;  NUMBER OF SEQ ID NOS: 102
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:/No. US20030198637A1e = Synth
US-10-286-132A-20
```

```
  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        634 GACCGGGTCATGACTGTGTC 653
              ||| ||||||| ||  ||||
Db          1 GACTGGGTCATCACAATGTC 20


RESULT 919
US-10-360-510-233/c
; Sequence 233, Application US/10360510
; Publication No. US20030220282A1
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  APPLICANT:  Jacqueline Wyatt
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Brett P. Monia
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Robert McKay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PTP1B EXPRESSION
;  FILE REFERENCE: ISPH-0576
;  CURRENT APPLICATION NUMBER: US/10/360,510
;  CURRENT FILING DATE:  2003-02-07
;  PRIOR APPLICATION NUMBER: US/09/854,883
;  PRIOR FILING DATE: 2001-05-14
;  PRIOR APPLICATION NUMBER: US 09/629,644
;  PRIOR FILING DATE: 2000-07-31
;  PRIOR APPLICATION NUMBER: US 09/487,368
;  PRIOR FILING DATE: 2000-01-18
;  NUMBER OF SEQ ID NOS: 389
; SEQ ID NO 233
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-360-510-233

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        238 GCCAATGCTGAGGAGATGAC 257
              ||  | ||||||||||||| |
Db         20 GCACAGGCTGAGGAGATGGC 1


RESULT 920
US-10-388-263-679
; Sequence 679, Application US/10388263
; Publication No. US20030228597A1
; GENERAL INFORMATION:
;  APPLICANT: Cowsert, Lex M.
;  APPLICANT:  Baker, Brenda F.
;  APPLICANT:  McNeil, John
;  APPLICANT:  Freier, Susan M.
;  APPLICANT:  Sasmor, Henri M.
;  APPLICANT:  Brooks, Douglas G.
;  APPLICANT:  Ohashi, Cara
;  APPLICANT:  Wyatt, Jacqueline R.
;  APPLICANT:  Borchers, Alexander
;  APPLICANT:  Vickers, Timothy A.
;  TITLE OF INVENTION: IDENTIFICATION OF GENETIC TARGETS FOR
;  TITLE OF INVENTION:  MODULATION BY OLIGONUCLEOTIDES AND
;  TITLE OF INVENTION:  GENERATION OF OLIGONUCLEOTIDES FOR GENE MODULATION
;  FILE REFERENCE: ISIS-4503
;  CURRENT APPLICATION NUMBER: US/10/388,263
;  CURRENT FILING DATE:  2003-03-12
;  NUMBER OF SEQ ID NOS: 947
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 679
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-388-263-679

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         64 ATGGCGCAGACGCAGGGCAC 83
              | || |||| |||| |||||
Db          1 ACGGAGCAGCCGCATGGCAC 20


RESULT 921
US-10-159-834-70
; Sequence 70, Application US/10159834
; Publication No. US20030228688A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF ISOPRENYLCYSTEINE CARBOXYL METHYLTRANSFE
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTS-0299
;  CURRENT APPLICATION NUMBER: US/10/159,834
;  CURRENT FILING DATE:  2002-05-31
;  NUMBER OF SEQ ID NOS: 130
; SEQ ID NO 70
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-159-834-70

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        2059 GTGAGCCTCTTTGTAATAAA 2078
               || |||||||||| ||| |
Db           1 GTAAGCCTCTTTGGTATATA 20


RESULT 922
US-10-159-834-125/c
; Sequence 125, Application US/10159834
; Publication No. US20030228688A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF ISOPRENYLCYSTEINE CARBOXYL METHYLTRANSFEI
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTS-0299
;  CURRENT APPLICATION NUMBER: US/10/159,834
;  CURRENT FILING DATE:  2002-05-31
;  NUMBER OF SEQ ID NOS: 130
; SEQ ID NO 125
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-159-834-125

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        2059 GTGAGCCTCTTTGTAATAAA 2078
               || |||||||||| ||| |
Db          20 GTAAGCCTCTTTGGTATATA 1
```

ESULT 923
S-10-174-771-69
Sequence 69, Application US/10174771
Publication No. US20030232034A1
GENERAL INFORMATION:
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF JUNCTIONAL ADHESION MOLECULE 3 EXPRESSION
FILE REFERENCE: RTS-0430
CURRENT APPLICATION NUMBER: US/10/174,771
CURRENT FILING DATE: 2002-06-17
NUMBER OF SEQ ID NOS: 151
SEQ ID NO 69
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
S-10-174-771-69

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 320 AGTACAGCAAGCAGATGCAG 339
||||||||||| | | |||
Db 1 AGTACAGCAAGGACAACCAG 20

ESULT 924
S-10-174-771-138/c
Sequence 138, Application US/10174771
Publication No. US20030232034A1
GENERAL INFORMATION:
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF JUNCTIONAL ADHESION MOLECULE 3 EXPRESSION
FILE REFERENCE: RTS-0430
CURRENT APPLICATION NUMBER: US/10/174,771
CURRENT FILING DATE: 2002-06-17
NUMBER OF SEQ ID NOS: 151
SEQ ID NO 138
LENGTH: 20
TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
JS-10-174-771-138

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 320 AGTACAGCAAGCAGATGCAG 339
||||||||||| | | |||
Db 20 AGTACAGCAAGGACAACCAG 1

RESULT 925
US-10-408-692-34/c
; Sequence 34, Application US/10408692
; Publication No. US20030232757A1
; GENERAL INFORMATION:
; APPLICANT: Rupar, Mark J.
; APPLICANT: Donovan, William P.
; APPLICANT: Chu, Chih-Rei
; APPLICANT: Pease, Elizabeth
; APPLICANT: Tan, Yuping
; APPLICANT: Slaney, Annette C.
; APPLICANT: Baum, James A.
; APPLICANT: Malvar, Thomas M.
; TITLE OF INVENTION: COLEOPTERAN-TOXIC POLYPEPTIDE COMPOSITIONS AND INSECT RESISTANT
; TITLE OF INVENTION: TRANSGENIC PLANTS
; FILE REFERENCE: 11792.0164.DVUS01 (MECO:164--1)
; CURRENT APPLICATION NUMBER: US/10/408,692
; CURRENT FILING DATE: 2003-04-07
; PRIOR APPLICATION NUMBER: 09/563,269
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: 60/172,240
; PRIOR FILING DATE: 1999-05-04
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 34
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide
US-10-408-692-34

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 509 GCTTCTGTTACGTCAATGAT 528
|||||| || || |||| ||
Db 20 GCTTCTATTCCGGCAATCAT 1

RESULT 926
US-10-174-319-5
; Sequence 5, Application US/10174319
; Publication No. US20030232771A1
; GENERAL INFORMATION:
; APPLICANT: Donna T. Ward
; APPLICANT: Susan M. Freier
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF MARK3 EXPRESSION
; FILE REFERENCE: PTS-0018
; CURRENT APPLICATION NUMBER: US/10/174,319
; CURRENT FILING DATE: 2002-06-17
; NUMBER OF SEQ ID NOS: 121
; SEQ ID NO 5
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PCR Primer
US-10-174-319-5

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 536 TGGCCATCCTGGAACTGCTA 555
|| |||| ||||| | ||||
Db 1 TGACCATGCTGGACCAGCTA 20

RESULT 927
US-10-175-239-38/c
; Sequence 38, Application US/10175239
; Publication No. US20030232774A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF PROFILIN 1 EXPRESSION
; FILE REFERENCE: HTS-0017
; CURRENT APPLICATION NUMBER: US/10/175,239
; CURRENT FILING DATE: 2002-06-17
; NUMBER OF SEQ ID NOS: 79
; SEQ ID NO 38
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-175-239-38

```
  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1661 CAGGGCAGCTGTGCTGGGTG 1680
              || | |||||| | ||||||
Db         20 CACGCCAGCTGAGGTGGGTG 1


RESULT 928
US-10-175-239-73
; Sequence 73, Application US/10175239
; Publication No. US20030232774A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PROFILIN 1 EXPRESSION
;  FILE REFERENCE: HTS-0017
;  CURRENT APPLICATION NUMBER: US/10/175,239
;  CURRENT FILING DATE:  2002-06-17
;  NUMBER OF SEQ ID NOS: 79
; SEQ ID NO 73
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-175-239-73

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1661 CAGGGCAGCTGTGCTGGGTG 1680
              || | |||||| | ||||||
Db          1 CACGCCAGCTGAGGTGGGTG 20


RESULT 929
US-10-173-192-12/c
; Sequence 12, Application US/10173192
; Publication No. US20030236204A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/173,192
;  CURRENT FILING DATE:  2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 12
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-173-192-12

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        847 GGCTCAGACTCCCTATCTGG 866
              ||  |||||||  |||||||
Db         20 GGTGCAGACTCATTATCTGG 1


RESULT 930
US-10-173-192-14/c
; Sequence 14, Application US/10173192
; Publication No. US20030236204A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/173,192
;  CURRENT FILING DATE:  2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 14
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-173-192-14

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        392 GTCAGTTGTCTACTGGTGGT 411
              ||||| | || ||||| |||
Db         20 GTCAGCTCTCAACTGGCGGT 1


RESULT 931
US-10-173-192-21/c
; Sequence 21, Application US/10173192
; Publication No. US20030236204A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/173,192
;  CURRENT FILING DATE:  2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 21
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-173-192-21

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        332 AGATGCAGAGATTCAACGTT 351
              |||||||  | |||  || |||
Db         20 AGATGCATATATTTAATGTT 1


RESULT 932
US-10-173-192-22/c
; Sequence 22, Application US/10173192
; Publication No. US20030236204A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/173,192
;  CURRENT FILING DATE:  2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 22
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-173-192-22

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
```

```
 Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        262 TACCACAGCGATGACTACAT 281
              || ||||| ||||| || ||
Db         20 TATCACAGTGATGAGTATAT 1


ESULT 933
S-10-173-192-29/c
 Sequence 29, Application US/10173192
 Publication No. US20030236204A1
 GENERAL INFORMATION:
  APPLICANT: Brett P. Monia
  APPLICANT:  Kenneth W. Dobie
  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
  FILE REFERENCE: PTS-0022
  CURRENT APPLICATION NUMBER: US/10/173,192
  CURRENT FILING DATE:  2002-06-14
  NUMBER OF SEQ ID NOS: 71
 SEQ ID NO 29
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
S-10-173-192-29

 Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
 Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
 Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        526 GATATCGTCTTGGCCATCCT 545
              ||||| ||   | ||||||||
Db         20 GATATTGTGCTTGCCATCCT 1


ESULT 934
S-10-173-192-33/c
 Sequence 33, Application US/10173192
 Publication No. US20030236204A1
 GENERAL INFORMATION:
  APPLICANT: Brett P. Monia
  APPLICANT:  Kenneth W. Dobie
  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
  FILE REFERENCE: PTS-0022
  CURRENT APPLICATION NUMBER: US/10/173,192
  CURRENT FILING DATE:  2002-06-14
  NUMBER OF SEQ ID NOS: 71
 SEQ ID NO 33
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
JS-10-173-192-33

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        643 ATGACTGTGTCCTTTCATAA 662
              ||||| || || || |||||
Db         20 ATGACGGTATCATTCCATAA 1


RESULT 935
US-10-173-192-37/c
; Sequence 37, Application US/10173192
; Publication No. US20030236204A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/173,192
;  CURRENT FILING DATE:  2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 37
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-173-192-37

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        652 TCCTTTCATAAGTATGGAGA 671
              || || ||||| ||||| ||
Db         20 TCATTCCATAAATATGGGGA 1


RESULT 936
US-10-173-192-49
; Sequence 49, Application US/10173192
; Publication No. US20030236204A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/173,192
;  CURRENT FILING DATE:  2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 49
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-173-192-49

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        847 GGCTCAGACTCCCTATCTGG 866
              ||  |||||||  |||||||
Db          1 GGTGCAGACTCATTATCTGG 20


RESULT 937
US-10-173-192-50
; Sequence 50, Application US/10173192
; Publication No. US20030236204A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/173,192
;  CURRENT FILING DATE:  2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 50
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-173-192-50

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        392 GTCAGTTGTCTACTGGTGGT 411
```

```
                  ||||| | || ||||| |||
Db          1 GTCAGCTCTCAACTGGCGGT 20
```

RESULT 938
US-10-173-192-54
; Sequence 54, Application US/10173192
; Publication No. US20030236204A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
; FILE REFERENCE: PTS-0022
; CURRENT APPLICATION NUMBER: US/10/173,192
; CURRENT FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 54
; LENGTH: 20
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
US-10-173-192-54

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
Qy        262 TACCACAGCGATGACTACAT 281
                || ||||| ||||| || ||
Db          1 TATCACAGTGATGAGTATAT 20
```

RESULT 939
US-10-173-192-61
; Sequence 61, Application US/10173192
; Publication No. US20030236204A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
; FILE REFERENCE: PTS-0022
; CURRENT APPLICATION NUMBER: US/10/173,192
; CURRENT FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 61
; LENGTH: 20
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
US-10-173-192-61

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
Qy        643 ATGACTGTGTCCTTTCATAA 662
                ||||| || || || |||||
Db          1 ATGACGGTATCATTCCATAA 20
```

RESULT 940
US-10-173-192-62
; Sequence 62, Application US/10173192
; Publication No. US20030236204A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
; FILE REFERENCE: PTS-0022
; CURRENT APPLICATION NUMBER: US/10/173,192
; CURRENT FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 62
; LENGTH: 20
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
US-10-173-192-62

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
Qy        652 TCCTTTCATAAGTATGGAGA 671
                || || ||||| ||||| ||
Db          1 TCATTCCATAAATATGGGGA 20
```

RESULT 941
US-10-104-047-3984
; Sequence 3984, Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20030236392A1el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3984
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: an artificially
; OTHER INFORMATION: synthesized primer sequence
US-10-104-047-3984

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
Qy       1420 CCAGAGGAGAAGAAAGAAGT 1439
                ||||| ||| || ||||| |
Db          1 CCAGAAGAGTAGCAAGAATT 20
```

RESULT 942
US-10-104-047-4060
; Sequence 4060, Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20030236392A1el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4060
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: an artificially
; OTHER INFORMATION: synthesized primer sequence
US-10-104-047-4060

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
Y       1420 CCAGAGGAGAAGAAAGAAGT 1439
             ||||| ||| || ||||| |
D          1 CCAGAAGAGTAGCAAGAATT 20
```

```
ESULT 943
S-10-277-216-95/c
 Sequence 95, Application US/10277216
 Publication No. US20040002470A1
 GENERAL INFORMATION:
  APPLICANT: KEITH, TIM
  TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES,
  TITLE OF INVENTION:  OBESITY, AND INFLAMMATORY BOWEL DISEASE
  FILE REFERENCE: 2976-4051
  CURRENT APPLICATION NUMBER: US/10/277,216
  CURRENT FILING DATE:  2002-10-17
  PRIOR APPLICATION NUMBER: 10/126,022
  PRIOR FILING DATE: 2002-04-19
  PRIOR APPLICATION NUMBER: 09/834,597
  PRIOR FILING DATE: 2001-04-13
  PRIOR APPLICATION NUMBER: 09/548,797
  PRIOR FILING DATE: 2000-04-13
  NUMBER OF SEQ ID NOS: 420
  SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 95
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence: Primer
S-10-277-216-95

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        955 CTGGGAGGCGGTGGTTACAC 974
              ||||||| |||| |  ||||
Db         20 CTGGGAGTCGGTAGCAACAC 1
```

```
RESULT 944
JS-10-277-216-210/c
; Sequence 210, Application US/10277216
; Publication No. US20040002470A1
; GENERAL INFORMATION:
;  APPLICANT: KEITH, TIM
;  TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES,
;  TITLE OF INVENTION:  OBESITY, AND INFLAMMATORY BOWEL DISEASE
;  FILE REFERENCE: 2976-4051
;  CURRENT APPLICATION NUMBER: US/10/277,216
;  CURRENT FILING DATE:  2002-10-17
;  PRIOR APPLICATION NUMBER: 10/126,022
;  PRIOR FILING DATE: 2002-04-19
;  PRIOR APPLICATION NUMBER: 09/834,597
;  PRIOR FILING DATE: 2001-04-13
;  PRIOR APPLICATION NUMBER: 09/548,797
;  PRIOR FILING DATE: 2000-04-13
;  NUMBER OF SEQ ID NOS: 420
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 210
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-277-216-210

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;
```

```
Qy        955 CTGGGAGGCGGTGGTTACAC 974
              ||||||| |||| |  ||||
Db         20 CTGGGAGTCGGTAGCAACAC 1
```

```
RESULT 945
US-10-349-143-6513
; Sequence 6513, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 6513
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..20
;   OTHER INFORMATION: upstream amplification primer 99-11966 for SEQ 2579,
US-10-349-143-6513

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1088 AGCTCCACATCAGTCCTTCC 1107
              | ||||||||||| ||| | |
Db          1 ATCTCCACATCACTCCCTGC 20
```

```
RESULT 946
US-10-349-143-11061/c
; Sequence 11061, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 11061
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..20
```

```
;   OTHER INFORMATION: downstream amplification primer 99-24480 for SEQ 3196, in complem
US-10-349-143-11061

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        579 CATTGACATTGATATTCACC 598
              ||||||  |||  |  ||||||
Db         20 CATTGAGATTCAGTTTCACC 1


RESULT 947
US-10-349-143-11201
; Sequence 11201, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 11201
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..20
;   OTHER INFORMATION: downstream amplification primer 99-3373 for SEQ 3336, in compleme
US-10-349-143-11201

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        390 CTGTCAGTTGTCTACTGGTG 409
              ||||  ||||  |  |||||||
Db          1 CTGTTAGTTTTAAACTGGTG 20


RESULT 948
US-10-349-143-11396/c
; Sequence 11396, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 11396
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..20
;   OTHER INFORMATION: downstream amplification primer 99-5076 for SEQ 3531, in complem
US-10-349-143-11396

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1519 CTCTCCAGCTCTGGCTTCCT 1538
              ||||||||  ||  |  |||||
Db         20 CTCTCCAGTCCTTGATTCCT 1


RESULT 949
US-10-437-733-31
; Sequence 31, Application US/10437733
; Publication No. US20040005612A1
; GENERAL INFORMATION:
;  APPLICANT: GIUDICE, LINDA C.
;  APPLICANT:  KAO, LEE C.
;  TITLE OF INVENTION: ENDOMETRIAL GENES IN ENDOMETRIAL
;  TITLE OF INVENTION:  DISORDERS
;  FILE REFERENCE: STAN-266
;  CURRENT APPLICATION NUMBER: US/10/437,733
;  CURRENT FILING DATE:  2003-05-13
;  PRIOR APPLICATION NUMBER: 60/380,689
;  PRIOR FILING DATE: 2002-05-14
;  NUMBER OF SEQ ID NOS: 42
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 31
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
US-10-437-733-31

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1797 AATGCCAAGTGCCTGCTTAG 1816
              ||||  ||||||  |  |||  ||
Db          1 AATGTCAAGTGGCAGCTCAG 20


RESULT 950
US-10-289-762-5517/c
; Sequence 5517, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, prev
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 5517
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-5517

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
```

```
 Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        585 CATTGATATTCACCATGGTG 604
              | |||| | |||||| ||||
Db         20 CTTTGAAACTCACCAAGGTG 1


ESULT 951
S-10-289-762-5921
 Sequence 5921, Application US/10289762
 Publication No. US20040006218A1
 GENERAL INFORMATION:
  APPLICANT: Griffais, R.
  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
  TITLE OF INVENTION:  and treatment of infection
  FILE REFERENCE: 9710-003-999
  CURRENT APPLICATION NUMBER: US/10/289,762
  CURRENT FILING DATE:  2003-03-27
  NUMBER OF SEQ ID NOS: 6849
 SEQ ID NO 5921
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Chlamydia pneumoniae
S-10-289-762-5921

 Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
 Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
 Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1224 CGCCATCCCTGAGGAGAGTG 1243
              | ||||| || ||||||| |
Db          1 CTCCATCACTAAGGAGAGAG 20


ESULT 952
S-10-289-762-6107/c
 Sequence 6107, Application US/10289762
 Publication No. US20040006218A1
 GENERAL INFORMATION:
  APPLICANT: Griffais, R.
  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
  TITLE OF INVENTION:  and treatment of infection
  FILE REFERENCE: 9710-003-999
  CURRENT APPLICATION NUMBER: US/10/289,762
  CURRENT FILING DATE:  2003-03-27
  NUMBER OF SEQ ID NOS: 6849
 SEQ ID NO 6107
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Chlamydia pneumoniae
JS-10-289-762-6107

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        278 ACATTAAATTCTTGCGCTCC 297
              |||  || ||||||||||| |
Db         20 ACAAGAACTTCTTGCGCTGC 1


RESULT 953
US-10-439-214-2/c
; Sequence 2, Application US/10439214
; Publication No. US20040016011A1
; GENERAL INFORMATION:
;  APPLICANT: Yang, Xiao
;  APPLICANT:  Wang, Youliang
;  APPLICANT:  Cui, Fang
;  APPLICANT:  Lu, Yaxin
;  APPLICANT:  Huang, Cuifen
;  TITLE OF INVENTION: MOUSE MODEL FOR INDUCING HEPATOCELLULAR CARCINOMA BY TARGETED INT
;  TITLE OF INVENTION:  OF HEPATITIS B VIRUS GENES
;  FILE REFERENCE: 04577/000M836-US0
;  CURRENT APPLICATION NUMBER: US/10/439,214
;  CURRENT FILING DATE:  2003-05-14
;  PRIOR APPLICATION NUMBER: CN 02117467.9
;  PRIOR FILING DATE: 2002-05-17
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: PCR primer 2
US-10-439-214-2

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1251 GGACGAAGACGACCCTGACA 1270
              ||| | |||| | |||||||
Db         20 GGAGGCAGACCAGCCTGACA 1


RESULT 954
US-10-126-022-95/c
; Sequence 95, Application US/10126022
; Publication No. US20040023215A1
; GENERAL INFORMATION:
;  APPLICANT: KEITH, TIM
;  TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES,
;  TITLE OF INVENTION:  OBESITY, AND INFLAMMATORY BOWEL DISEASE
;  FILE REFERENCE: 2976-4039US2
;  CURRENT APPLICATION NUMBER: US/10/126,022
;  CURRENT FILING DATE:  2002-04-19
;  PRIOR APPLICATION NUMBER: 09/834,597
;  PRIOR FILING DATE: 2001-04-13
;  PRIOR APPLICATION NUMBER: 09/548,797
;  PRIOR FILING DATE: 2000-04-13
;  NUMBER OF SEQ ID NOS: 420
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 95
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-126-022-95

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        955 CTGGGAGGCGGTGGTTACAC 974
              ||||||| |||| |  ||||
Db         20 CTGGGAGTCGGTAGCAACAC 1


RESULT 955
US-10-126-022-210/c
; Sequence 210, Application US/10126022
; Publication No. US20040023215A1
; GENERAL INFORMATION:
;  APPLICANT: KEITH, TIM
;  TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES,
;  TITLE OF INVENTION:  OBESITY, AND INFLAMMATORY BOWEL DISEASE
;  FILE REFERENCE: 2976-4039US2
;  CURRENT APPLICATION NUMBER: US/10/126,022
;  CURRENT FILING DATE:  2002-04-19
;  PRIOR APPLICATION NUMBER: 09/834,597
;  PRIOR FILING DATE: 2001-04-13
```

```
;  PRIOR APPLICATION NUMBER: 09/548,797
;  PRIOR FILING DATE: 2000-04-13
;  NUMBER OF SEQ ID NOS: 420
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 210
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-126-022-210

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        955 CTGGGAGGCGGTGGTTACAC 974
              ||||||| |||| |  ||||
Db         20 CTGGGAGTCGGTAGCAACAC 1


RESULT 956
US-10-210-838-31/c
; Sequence 31, Application US/10210838
; Publication No. US20040023905A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Sanjay Bhanot
;  APPLICANT:  Kenneth W. Dobie
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF LAR EXPRESSION
;  FILE REFERENCE: PTS-0013
;  CURRENT APPLICATION NUMBER: US/10/210,838
;  CURRENT FILING DATE:  2002-07-31
;  NUMBER OF SEQ ID NOS: 198
; SEQ ID NO 31
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Antisense Oligonucleotide
US-10-210-838-31

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1003 TATGAGACAGCTGTGGCCCT 1022
              ||| || |||||||| || |
Db         20 TATAAGTCAGCTGTGCCCTT 1


RESULT 957
US-10-211-859-14/c
; Sequence 14, Application US/10211859
; Publication No. US20040022765A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF RAN GTPASE ACTIVATING PROTEIN 1 EXPRESSIO
;  FILE REFERENCE: HTS-0013
;  CURRENT APPLICATION NUMBER: US/10/211,859
;  CURRENT FILING DATE:  2002-07-31
;  NUMBER OF SEQ ID NOS: 78
; SEQ ID NO 14
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Antisense Oligonucleotide
US-10-211-859-14

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1249 GAGGACGAAGACGACCCTGA 1268
              ||||| ||||| || ||| |
Db         20 GAGGAGGAAGAAGAGCCTCA 1


RESULT 958
US-10-211-859-51
; Sequence 51, Application US/10211859
; Publication No. US20040022765A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF RAN GTPASE ACTIVATING PROTEIN 1 EXPRESSI(
;  FILE REFERENCE: HTS-0013
;  CURRENT APPLICATION NUMBER: US/10/211,859
;  CURRENT FILING DATE:  2002-07-31
;  NUMBER OF SEQ ID NOS: 78
; SEQ ID NO 51
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: H. sapiens
;    FEATURE:
US-10-211-859-51

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1249 GAGGACGAAGACGACCCTGA 1268
              ||||| ||||| || ||| |
Db          1 GAGGAGGAAGAAGAGCCTCA 20


RESULT 959
US-10-650-585-5
; Sequence 5, Application US/10650585
; Publication No. US20040077066A1
; GENERAL INFORMATION:
;  APPLICANT: Boehringer Ingelheim (Canada) Ltd.
;  TITLE OF INVENTION: Purified Active HCV NS2/3 Protease
;  FILE REFERENCE: 13/082
;  CURRENT APPLICATION NUMBER: US/10/650,585
;  CURRENT FILING DATE:  2003-08-28
;  PRIOR APPLICATION NUMBER: US/10/017,736A
;  PRIOR FILING DATE: 2001-12-14
;  PRIOR APPLICATION NUMBER: 60/256,031
;  PRIOR FILING DATE: 2000-12-15
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: HCV
US-10-650-585-5

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        629 CCACGGACCGGGTCATGACT 648
              ||| ||||||||  ||| ||
Db          1 CCATGGACCGGGAGATGGCT 20


RESULT 960
US-10-653-528-12/c
; Sequence 12, Application US/10653528
; Publication No. US20040077578A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
```

```
  APPLICANT:  Kenneth W. Dobie
  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
  FILE REFERENCE: PTS-0022
  CURRENT APPLICATION NUMBER: US/10/653,528
  CURRENT FILING DATE:  2003-09-02
  PRIOR APPLICATION NUMBER: US/10/173,192
  PRIOR FILING DATE: 2002-06-14
  NUMBER OF SEQ ID NOS: 71
 SEQ ID NO 12
    LENGTH: 20
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Antisense Oligonucleotide
S-10-653-528-12

 Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
 Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
 Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

y        847 GGCTCAGACTCCCTATCTGG 866
             ||  |||||||  |||||||
b         20 GGTGCAGACTCATTATCTGG 1


ESULT 961
S-10-653-528-14/c
 Sequence 14, Application US/10653528
 Publication No. US20040077578A1
 GENERAL INFORMATION:
  APPLICANT: Brett P. Monia
  APPLICANT:  Kenneth W. Dobie
  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
  FILE REFERENCE: PTS-0022
  CURRENT APPLICATION NUMBER: US/10/653,528
  CURRENT FILING DATE:  2003-09-02
  PRIOR APPLICATION NUMBER: US/10/173,192
  PRIOR FILING DATE: 2002-06-14
  NUMBER OF SEQ ID NOS: 71
 SEQ ID NO 14
    LENGTH: 20
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Antisense Oligonucleotide
IS-10-653-528-14

 Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
 Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
 Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

)y       392 GTCAGTTGTCTACTGGTGGT 411
             |||||  |  ||  |||||  |||
)b        20 GTCAGCTCTCAACTGGCGGT 1


RESULT 962
JS-10-653-528-21/c
; Sequence 21, Application US/10653528
; Publication No. US20040077578A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/653,528
;  CURRENT FILING DATE:  2003-09-02
;  PRIOR APPLICATION NUMBER: US/10/173,192
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 21
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Antisense Oligonucleotide
US-10-653-528-21

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       332 AGATGCAGAGATTCAACGTT 351
             |||||||  |  |||  ||  |||
Db        20 AGATGCATATATTTAATGTT 1


RESULT 963
US-10-653-528-22/c
; Sequence 22, Application US/10653528
; Publication No. US20040077578A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/653,528
;  CURRENT FILING DATE:  2003-09-02
;  PRIOR APPLICATION NUMBER: US/10/173,192
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 22
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Antisense Oligonucleotide
US-10-653-528-22

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       262 TACCACAGCGATGACTACAT 281
             ||  |||||  |||||  ||  ||
Db        20 TATCACAGTGATGAGTATAT 1


RESULT 964
US-10-653-528-29/c
; Sequence 29, Application US/10653528
; Publication No. US20040077578A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/653,528
;  CURRENT FILING DATE:  2003-09-02
;  PRIOR APPLICATION NUMBER: US/10/173,192
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 29
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Antisense Oligonucleotide
US-10-653-528-29

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       526 GATATCGTCTTGGCCATCCT 545
             |||||  ||  |  ||||||||
```

```
Db         20 GATATTGTGCTTGCCATCCT 1


RESULT 965
US-10-653-528-33/c
; Sequence 33, Application US/10653528
; Publication No. US20040077578A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/653,528
;  CURRENT FILING DATE:  2003-09-02
;  PRIOR APPLICATION NUMBER: US/10/173,192
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 33
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-653-528-33

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        643 ATGACTGTGTCCTTTCATAA 662
              ||||| || || || |||||
Db         20 ATGACGGTATCATTCCATAA 1


RESULT 966
US-10-653-528-37/c
; Sequence 37, Application US/10653528
; Publication No. US20040077578A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/653,528
;  CURRENT FILING DATE:  2003-09-02
;  PRIOR APPLICATION NUMBER: US/10/173,192
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 37
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-653-528-37

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        652 TCCTTTCATAAGTATGGAGA 671
              || || ||||| ||||| ||
Db         20 TCATTCCATAAATATGGGGA 1


RESULT 967
US-10-653-528-49
; Sequence 49, Application US/10653528
; Publication No. US20040077578A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/653,528
;  CURRENT FILING DATE:  2003-09-02
;  PRIOR APPLICATION NUMBER: US/10/173,192
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 49
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-653-528-49

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        847 GGCTCAGACTCCCTATCTGG 866
              ||  |||||||  |||||||
Db          1 GGTGCAGACTCATTATCTGG 20


RESULT 968
US-10-653-528-50
; Sequence 50, Application US/10653528
; Publication No. US20040077578A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/653,528
;  CURRENT FILING DATE:  2003-09-02
;  PRIOR APPLICATION NUMBER: US/10/173,192
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 50
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-653-528-50

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        392 GTCAGTTGTCTACTGGTGGT 411
              ||||| | || ||||| |||
Db          1 GTCAGCTCTCAACTGGCGGT 20


RESULT 969
US-10-653-528-54
; Sequence 54, Application US/10653528
; Publication No. US20040077578A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/653,528
;  CURRENT FILING DATE:  2003-09-02
;  PRIOR APPLICATION NUMBER: US/10/173,192
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 54
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-653-528-54
```

```
Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

/        262 TACCACAGCGATGACTACAT 281
             || ||||| ||||| || ||
>          1 TATCACAGTGATGAGTATAT 20


ESULT 970
S-10-653-528-61
 Sequence 61, Application US/10653528
 Publication No. US20040077578A1
 GENERAL INFORMATION:
  APPLICANT: Brett P. Monia
  APPLICANT:  Kenneth W. Dobie
  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
  FILE REFERENCE: PTS-0022
  CURRENT APPLICATION NUMBER: US/10/653,528
  CURRENT FILING DATE:  2003-09-02
  PRIOR APPLICATION NUMBER: US/10/173,192
  PRIOR FILING DATE: 2002-06-14
  NUMBER OF SEQ ID NOS: 71
 SEQ ID NO 61
   LENGTH: 20
   TYPE: DNA
   ORGANISM: H. sapiens
   FEATURE:
S-10-653-528-61

 Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
 Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
 Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

y        643 ATGACTGTGTCCTTTCATAA 662
             ||||| || || || |||||
b          1 ATGACGGTATCATTCCATAA 20


ESULT 971
S-10-653-528-62
 Sequence 62, Application US/10653528
 Publication No. US20040077578A1
 GENERAL INFORMATION:
  APPLICANT: Brett P. Monia
  APPLICANT:  Kenneth W. Dobie
  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
  FILE REFERENCE: PTS-0022
  CURRENT APPLICATION NUMBER: US/10/653,528
  CURRENT FILING DATE:  2003-09-02
  PRIOR APPLICATION NUMBER: US/10/173,192
  PRIOR FILING DATE: 2002-06-14
  NUMBER OF SEQ ID NOS: 71
 SEQ ID NO 62
   LENGTH: 20
   TYPE: DNA
   ORGANISM: H. sapiens
   FEATURE:
S-10-653-528-62

 Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
 Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
 Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       652 TCCTTTCATAAGTATGGAGA 671
             || || ||||| ||||| ||
Db         1 TCATTCCATAAATATGGGGA 20


RESULT 972
US-10-300-288-46
; Sequence 46, Application US/10300288
; Publication No. US20040097449A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF KIAA0415 EXPRESSION
;  FILE REFERENCE: HTS-0120
;  CURRENT APPLICATION NUMBER: US/10/300,288
;  CURRENT FILING DATE:  2002-11-19
;  NUMBER OF SEQ ID NOS: 72
; SEQ ID NO 46
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-300-288-46

  Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1514 TGGACCTCTCCAGCTCTGGC 1533
              |||| | |||| ||||||
Db          1 TGGAGCCCTCCTGCTCTGAC 20


RESULT 973
US-10-300-288-72/c
; Sequence 72, Application US/10300288
; Publication No. US20040097449A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF KIAA0415 EXPRESSION
;  FILE REFERENCE: HTS-0120
;  CURRENT APPLICATION NUMBER: US/10/300,288
;  CURRENT FILING DATE:  2002-11-19
;  NUMBER OF SEQ ID NOS: 72
; SEQ ID NO 72
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-300-288-72

  Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1514 TGGACCTCTCCAGCTCTGGC 1533
              |||| | |||| ||||||
Db         20 TGGAGCCCTCCTGCTCTGAC 1


RESULT 974
US-10-300-820-27/c
; Sequence 27, Application US/10300820
; Publication No. US20040097452A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF KALLIKREIN 6 EXPRESSION
;  FILE REFERENCE: RTS-0444
;  CURRENT APPLICATION NUMBER: US/10/300,820
;  CURRENT FILING DATE:  2002-11-19
;  NUMBER OF SEQ ID NOS: 162
; SEQ ID NO 27
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-300-820-27

  Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;
```

```
Qy        614 AAGAGGCCTTCTACACCACG 633
              ||| ||| |||||||| ||
Db         20 AAGCTGCCCTCTACACCTCG 1


RESULT 975
US-10-300-820-103
; Sequence 103, Application US/10300820
; Publication No. US20040097452A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF KALLIKREIN 6 EXPRESSION
;  FILE REFERENCE: RTS-0444
;  CURRENT APPLICATION NUMBER: US/10/300,820
;  CURRENT FILING DATE:  2002-11-19
;  NUMBER OF SEQ ID NOS: 162
; SEQ ID NO 103
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-300-820-103

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        614 AAGAGGCCTTCTACACCACG 633
              ||| ||| |||||||| ||
Db          1 AAGCTGCCCTCTACACCTCG 20


RESULT 976
US-10-303-266-69/c
; Sequence 69, Application US/10303266
; Publication No. US20040101848A1
; GENERAL INFORMATION:
;  APPLICANT: Donna T. Ward
;  APPLICANT:  Alexander H. Borchers
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF GLUCOSE TRANSPORTER-4 EXPRESSION
;  FILE REFERENCE: RTS-0426
;  CURRENT APPLICATION NUMBER: US/10/303,266
;  CURRENT FILING DATE:  2002-11-23
;  NUMBER OF SEQ ID NOS: 157
; SEQ ID NO 69
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-303-266-69

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1064 TTGAATACTTTGGACCAGAT 1083
              |||| || || || ||||||
Db         20 TTGAGTATTTAGGGCCAGAT 1


RESULT 977
US-10-303-266-141
; Sequence 141, Application US/10303266
; Publication No. US20040101848A1
; GENERAL INFORMATION:
;  APPLICANT: Donna T. Ward
;  APPLICANT:  Alexander H. Borchers
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF GLUCOSE TRANSPORTER-4 EXPRESSION
;  FILE REFERENCE: RTS-0426
;  CURRENT APPLICATION NUMBER: US/10/303,266
;  CURRENT FILING DATE:  2002-11-23
;  NUMBER OF SEQ ID NOS: 157
; SEQ ID NO 141
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-303-266-141

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1064 TTGAATACTTTGGACCAGAT 1083
              |||| || || || ||||||
Db          1 TTGAGTATTTAGGGCCAGAT 20


RESULT 978
US-10-303-635-63/c
; Sequence 63, Application US/10303635
; Publication No. US20040102621A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF FORKHEAD BOX C2 EXPRESSION
;  FILE REFERENCE: RTS-0418
;  CURRENT APPLICATION NUMBER: US/10/303,635
;  CURRENT FILING DATE:  2002-11-21
;  NUMBER OF SEQ ID NOS: 257
; SEQ ID NO 63
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-303-635-63

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        800 CCAAAGTAATGGAGATGTTC 819
              |||| ||   ||||||||||
Db         20 CCAACGTGCGGGAGATGTTC 1


RESULT 979
US-10-304-124-47/c
; Sequence 47, Application US/10304124
; Publication No. US20040102404A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Lawrence Panasci
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF KU86 EXPRESSION
;  FILE REFERENCE: HTS-0015
;  CURRENT APPLICATION NUMBER: US/10/304,124
;  CURRENT FILING DATE:  2002-11-23
;  NUMBER OF SEQ ID NOS: 79
; SEQ ID NO 47
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-304-124-47

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1581 ATTTTCTATTTCTCTGTGTA 1600
```

```
              ||  |||| |||||||||| |
>          20 ATCATCTAATTCTCTGTGGA 1


ESULT 980
3-10-304-124-79
 Sequence 79, Application US/10304124
 Publication No. US20040102404A1
 GENERAL INFORMATION:
  APPLICANT: Brett P. Monia
  APPLICANT:  Lawrence Panasci
  APPLICANT:  Kenneth W. Dobie
  TITLE OF INVENTION: MODULATION OF KU86 EXPRESSION
  FILE REFERENCE: HTS-0015
  CURRENT APPLICATION NUMBER: US/10/304,124
  CURRENT FILING DATE:  2002-11-23
  NUMBER OF SEQ ID NOS: 79
 SEQ ID NO 79
   LENGTH: 20
   TYPE: DNA
   ORGANISM: H. sapiens
   FEATURE:
S-10-304-124-79

 Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
 Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
 Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1581 ATTTTCTATTTCTCTGTGTA 1600
              ||  |||| |||||||||| |
Db          1 ATCATCTAATTCTCTGTGGA 20


ESULT 981
S-10-688-706-483/c
 Sequence 483, Application US/10688706
 Publication No. US20040102412A1
 GENERAL INFORMATION:
  APPLICANT: Pharmacia Corp.
  APPLICANT:  Broschat, Kay
  TITLE OF INVENTION: ANTISENSE MODULATION OF GFAT EXPRESSION
  FILE REFERENCE: 01393/1
  CURRENT APPLICATION NUMBER: US/10/688,706
  CURRENT FILING DATE:  2003-10-17
  PRIOR APPLICATION NUMBER: 60/419,268
  PRIOR FILING DATE: 2002-10-17
  NUMBER OF SEQ ID NOS: 3071
  SOFTWARE: PatentIn version 3.2
 SEQ ID NO 483
   LENGTH: 20
   TYPE: DNA
   ORGANISM: artificial
   FEATURE:
   OTHER INFORMATION: human GFAT antisense
JS-10-688-706-483

  Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       324 CAGCAAGCAGATGCAGAGAT 343
             ||  ||| |||| |||||||
Db        20 CATAAAGGAGATCCAGAGAT 1


RESULT 982
US-10-688-706-626/c
; Sequence 626, Application US/10688706
; Publication No. US20040102412A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Broschat, Kay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF GFAT EXPRESSION
;  FILE REFERENCE: 01393/1
;  CURRENT APPLICATION NUMBER: US/10/688,706
;  CURRENT FILING DATE:  2003-10-17
;  PRIOR APPLICATION NUMBER: 60/419,268
;  PRIOR FILING DATE: 2002-10-17
;  NUMBER OF SEQ ID NOS: 3071
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 626
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: human GFAT antisense
US-10-688-706-626

  Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       323 ACAGCAAGCAGATGCAGAGA 342
             |||  ||| |||| ||||||
Db        20 ACATAAAGGAGATCCAGAGA 1


RESULT 983
US-10-688-706-814
; Sequence 814, Application US/10688706
; Publication No. US20040102412A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Broschat, Kay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF GFAT EXPRESSION
;  FILE REFERENCE: 01393/1
;  CURRENT APPLICATION NUMBER: US/10/688,706
;  CURRENT FILING DATE:  2003-10-17
;  PRIOR APPLICATION NUMBER: 60/419,268
;  PRIOR FILING DATE: 2002-10-17
;  NUMBER OF SEQ ID NOS: 3071
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 814
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: human GFAT antisense
US-10-688-706-814

  Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1604 ATATAAAAATTTATTAAATA 1623
              |||| ||  |||  |||  ||||
Db          1 ATATCAATATTAATTTAATA 20


RESULT 984
US-10-688-706-2330/c
; Sequence 2330, Application US/10688706
; Publication No. US20040102412A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Broschat, Kay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF GFAT EXPRESSION
;  FILE REFERENCE: 01393/1
;  CURRENT APPLICATION NUMBER: US/10/688,706
;  CURRENT FILING DATE:  2003-10-17
;  PRIOR APPLICATION NUMBER: 60/419,268
;  PRIOR FILING DATE: 2002-10-17
;  NUMBER OF SEQ ID NOS: 3071
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2330
;   LENGTH: 20
```

```
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: human GFAT antisense
US-10-688-706-2330

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        413 CTGTGGCAAGTGCTGTGAAA 432
              |||  |||||||||||| | |
Db         20 CTGATGCAAGTGCTGTCATA 1


RESULT 985
US-10-316-243-65/c
; Sequence 65, Application US/10316243
; Publication No. US20040110147A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  APPLICANT:  Ravi Jain
;  TITLE OF INVENTION: MODULATION OF BAF53 EXPRESSION
;  FILE REFERENCE: RTS-0462
;  CURRENT APPLICATION NUMBER: US/10/316,243
;  CURRENT FILING DATE:  2002-12-09
;  NUMBER OF SEQ ID NOS: 168
; SEQ ID NO 65
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-316-243-65

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1303 ATTGCCTGTGAGGAAGAGTT 1322
              | ||||  ||||  |||||||
Db         20 AATGCCCTTGAGAAAGAGTT 1


RESULT 986
US-10-316-243-143
; Sequence 143, Application US/10316243
; Publication No. US20040110147A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  APPLICANT:  Ravi Jain
;  TITLE OF INVENTION: MODULATION OF BAF53 EXPRESSION
;  FILE REFERENCE: RTS-0462
;  CURRENT APPLICATION NUMBER: US/10/316,243
;  CURRENT FILING DATE:  2002-12-09
;  NUMBER OF SEQ ID NOS: 168
; SEQ ID NO 143
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-316-243-143

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1303 ATTGCCTGTGAGGAAGAGTT 1322
              | ||||  ||||  |||||||
Db          1 AATGCCCTTGAGAAAGAGTT 20


RESULT 987
US-10-317-270-39/c
; Sequence 39, Application US/10317270
; Publication No. US20040110701A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  APPLICANT:  Tamara Balac Sipes
;  TITLE OF INVENTION: MODULATION OF ZINEDIN EXPRESSION
;  FILE REFERENCE: RTS-0479
;  CURRENT APPLICATION NUMBER: US/10/317,270
;  CURRENT FILING DATE:  2002-12-10
;  NUMBER OF SEQ ID NOS: 160
; SEQ ID NO 39
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-317-270-39

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1247 ATGAGGACGAAGACGACCCT 1266
              | || || |||||||||  ||
Db         20 AGGATGAGGAAGACGACTCT 1


RESULT 988
US-10-317-270-113
; Sequence 113, Application US/10317270
; Publication No. US20040110701A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  APPLICANT:  Tamara Balac Sipes
;  TITLE OF INVENTION: MODULATION OF ZINEDIN EXPRESSION
;  FILE REFERENCE: RTS-0479
;  CURRENT APPLICATION NUMBER: US/10/317,270
;  CURRENT FILING DATE:  2002-12-10
;  NUMBER OF SEQ ID NOS: 160
; SEQ ID NO 113
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-317-270-113

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1247 ATGAGGACGAAGACGACCCT 1266
              | || || |||||||||  ||
Db          1 AGGATGAGGAAGACGACTCT 20


RESULT 989
US-10-317-279-26
; Sequence 26, Application US/10317279
; Publication No. US20040110703A1
; GENERAL INFORMATION:
;  APPLICANT: Ming-Yi Chiang
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF DR1-ASSOCIATED PROTEIN 1 EXPRESSION
;  FILE REFERENCE: HTS-0027
;  CURRENT APPLICATION NUMBER: US/10/317,279
;  CURRENT FILING DATE:  2002-12-10
;  NUMBER OF SEQ ID NOS: 59
; SEQ ID NO 26
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
```

OTHER INFORMATION: Antisense Oligonucleotide
S-10-317-279-26

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
y        617 AGGCCTTCTACACCACGGAC 636
             ||||||||| || ||  |||
b          1 AGGCCTTCTTCAACAGCGAC 20
```

ESULT 990
S-10-317-279-52/c
Sequence 52, Application US/10317279
Publication No. US20040110703A1
GENERAL INFORMATION:
APPLICANT: Ming-Yi Chiang
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DR1-ASSOCIATED PROTEIN 1 EXPRESSION
FILE REFERENCE: HTS-0027
CURRENT APPLICATION NUMBER: US/10/317,279
CURRENT FILING DATE: 2002-12-10
NUMBER OF SEQ ID NOS: 59
SEQ ID NO 52
LENGTH: 20
TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
S-10-317-279-52

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
y        617 AGGCCTTCTACACCACGGAC 636
             ||||||||| || ||  |||
b         20 AGGCCTTCTTCAACAGCGAC 1
```

ESULT 991
S-10-317-280-71/c
Sequence 71, Application US/10317280
Publication No. US20040110160A1
GENERAL INFORMATION:
APPLICANT: Kenneth W. Dobie
APPLICANT: Tamara Balac Sipes
TITLE OF INVENTION: MODULATION OF SEDL EXPRESSION
FILE REFERENCE: RTS-0459
CURRENT APPLICATION NUMBER: US/10/317,280
CURRENT FILING DATE: 2002-12-10
NUMBER OF SEQ ID NOS: 157
SEQ ID NO 71
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
S-10-317-280-71

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
y        562 CACCAGAGGGTGCTGTACAT 581
             ||||||||| ||||   ||
b         20 CACCAGAGGGGGCTGGGAAT 1
```

ESULT 992
S-10-317-280-144
Sequence 144, Application US/10317280
Publication No. US20040110160A1
GENERAL INFORMATION:
APPLICANT: Kenneth W. Dobie
APPLICANT: Tamara Balac Sipes
TITLE OF INVENTION: MODULATION OF SEDL EXPRESSION
FILE REFERENCE: RTS-0459
CURRENT APPLICATION NUMBER: US/10/317,280
CURRENT FILING DATE: 2002-12-10
NUMBER OF SEQ ID NOS: 157
SEQ ID NO 144
LENGTH: 20
TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
US-10-317-280-144

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
Qy       562 CACCAGAGGGTGCTGTACAT 581
             ||||||||| ||||   ||
Db         1 CACCAGAGGGGGCTGGGAAT 20
```

RESULT 993
US-10-317-478-14
Sequence 14, Application US/10317478
Publication No. US20040115636A1
GENERAL INFORMATION:
APPLICANT: Brenda F. Baker
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF INTERLEUKIN 18 EXPRESSION
FILE REFERENCE: PTS-0025
CURRENT APPLICATION NUMBER: US/10/317,478
CURRENT FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 130
SEQ ID NO 14
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-10-317-478-14

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
Qy       394 CAGTTGTCTACTGGTGGTTC 413
             || |||||| ||  ||||||
Db         1 CAATTGTCTTCTACTGGTTC 20
```

RESULT 994
US-10-317-478-85/c
Sequence 85, Application US/10317478
Publication No. US20040115636A1
GENERAL INFORMATION:
APPLICANT: Brenda F. Baker
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF INTERLEUKIN 18 EXPRESSION
FILE REFERENCE: PTS-0025
CURRENT APPLICATION NUMBER: US/10/317,478
CURRENT FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 130
SEQ ID NO 85
LENGTH: 20
TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
US-10-317-478-85

Query Match 0.7%; Score 13.6; DB 1; Length 20;

Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
Qy        394 CAGTTGTCTACTGGTGGTTC 413
              || |||||| ||  ||||||
Db         20 CAATTGTCTTCTACTGGTTC 1
```

RESULT 995
US-10-467-008-129/c
; Sequence 129, Application US/10467008
; Publication No. US20040116366A1
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: Brett P. Monia
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PROTEIN PHOSPHATASE 2 CATALYTIC SUBUNIT B
; TITLE OF INVENTION: EXPRESSION
; FILE REFERENCE: ISPH-0746
; CURRENT APPLICATION NUMBER: US/10/467,008
; CURRENT FILING DATE: 2003-08-01
; PRIOR APPLICATION NUMBER: PCT/US02/02805
; PRIOR FILING DATE: 2002-01-31
; PRIOR APPLICATION NUMBER: US 09/780,045
; PRIOR FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 135
; SEQ ID NO 129
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-467-008-129

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
Qy       1128 GAATGAGTACCTGGAGAAGA 1147
              | |||| || ||| ||||||
Db         20 GTATGACTAACTGAAGAAGA 1
```

RESULT 996
US-10-679-532-44
; Sequence 44, Application US/10679532
; Publication No. US20040121376A1
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Karras, James G
; APPLICANT: McKay, Robert
; APPLICANT: Manoharan, Muthiah
; TITLE OF INVENTION: ANTISENSE MODULATION OF INTERLEUKIN-5 SIGNAL
; TITLE OF INVENTION: TRANSDUCTION
; FILE REFERENCE: ISPH-0537
; CURRENT APPLICATION NUMBER: US/10/679,532
; CURRENT FILING DATE: 2003-10-06
; PRIOR APPLICATION NUMBER: US/09/800,629A
; PRIOR FILING DATE: 2001-03-07
; PRIOR APPLICATION NUMBER: PCT/US00/07318
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 09/280,799
; PRIOR FILING DATE: 1999-03-26
; NUMBER OF SEQ ID NOS: 210
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 44
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Synthetic
US-10-679-532-44

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
Qy       1321 TTCTCCGATTCTGAAGAGGA 1340
              | ||| || |||| ||||||
Db          1 TCCTCAGAGTCTGGAGAGGA 20
```

RESULT 997
US-10-679-532-67
; Sequence 67, Application US/10679532
; Publication No. US20040121376A1
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Karras, James G
; APPLICANT: McKay, Robert
; APPLICANT: Manoharan, Muthiah
; TITLE OF INVENTION: ANTISENSE MODULATION OF INTERLEUKIN-5 SIGNAL
; TITLE OF INVENTION: TRANSDUCTION
; FILE REFERENCE: ISPH-0537
; CURRENT APPLICATION NUMBER: US/10/679,532
; CURRENT FILING DATE: 2003-10-06
; PRIOR APPLICATION NUMBER: US/09/800,629A
; PRIOR FILING DATE: 2001-03-07
; PRIOR APPLICATION NUMBER: PCT/US00/07318
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 09/280,799
; PRIOR FILING DATE: 1999-03-26
; NUMBER OF SEQ ID NOS: 210
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 67
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Synthetic
US-10-679-532-67

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
Qy       1321 TTCTCCGATTCTGAAGAGGA 1340
              | ||| || |||| ||||||
Db          1 TCCTCAGAGTCTGGAGAGGA 20
```

RESULT 998
US-10-744-831-79/c
; Sequence 79, Application US/10744831
; Publication No. US20040121977A1
; GENERAL INFORMATION:
; APPLICANT: Brenda F. Baker
; APPLICANT: Kenneth Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF ACTIVATING TRANSCRIPTION FACTOR 3 EXPRES
; FILE REFERENCE: RTS-0331
; CURRENT APPLICATION NUMBER: US/10/744,831
; CURRENT FILING DATE: 2003-12-23
; PRIOR APPLICATION NUMBER: US/10/010,002
; PRIOR FILING DATE: 2001-11-08
; NUMBER OF SEQ ID NOS: 91
; SEQ ID NO 79
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-744-831-79

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 8.1e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
Y       1014 TGTGGCCCTGGATACGGAGA 1033
             |||| ||| |||  ||||||
b         20 TGTGTCCCAGGAGTCGGAGA 1

ESULT 999
S-10-724-108-13
 Sequence 13, Application US/10724108
 Publication No. US20040132192A1
 GENERAL INFORMATION:
  APPLICANT: THODA, HIDEKI
  APPLICANT:  HAMA, YUKO
  APPLICANT:  KUMAGAI, HIROMICHI
  TITLE OF INVENTION: METHOD OF CONSTRUCTING HOST AND METHOD OF PRODUCING HETEROLOGOUS
  FILE REFERENCE: 245694US0CONT
  CURRENT APPLICATION NUMBER: US/10/724,108
  CURRENT FILING DATE:  2003-12-01
  PRIOR APPLICATION NUMBER: PCT/JP02/05223
  PRIOR FILING DATE: 2002-05-29
  PRIOR APPLICATION NUMBER: JP 2001-160128
  PRIOR FILING DATE: 2001-05-29
  NUMBER OF SEQ ID NOS: 72
  SOFTWARE: PatentIn version 3.1
 SEQ ID NO 13
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Synthetic DNA
S-10-724-108-13

 Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
 Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
 Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Y       439 AAGCAGCAGACGGACATCGC 458
            || | |||  ||||||||||
b         1 AATCTGCAATCGGACATCGC 20

ESULT 1000
JS-10-652-795-69
; Sequence 69, Application US/10652795
; Publication No. US20040142346A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT:  Bennett, C. Frank
;  APPLICANT:  Butler, Madeline M.
;  APPLICANT:  Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TUMOR NECROSIS FACTOR-ALP
;  TITLE OF INVENTION:  ALPHA) EXPRESSION
;  FILE REFERENCE: ISPH-0501
;  CURRENT APPLICATION NUMBER: US/10/652,795
;  CURRENT FILING DATE:  2003-08-29
;  PRIOR APPLICATION NUMBER: US/09/824,322B
;  PRIOR FILING DATE: 2001-04-02
;  PRIOR APPLICATION NUMBER: US 09/313,932
;  PRIOR FILING DATE: 1999-05-18
;  PRIOR APPLICATION NUMBER: US 09/166,186
;  PRIOR FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 503
; SEQ ID NO 69
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-10-652-795-69

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        845 GTGGCTCAGACTCCCTATCT 864
              |||   ||||| ||||||||
Db          1 GTGTGCCAGACACCCTATCT 20

RESULT 1001
US-10-652-795-153
; Sequence 153, Application US/10652795
; Publication No. US20040142346A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT:  Bennett, C. Frank
;  APPLICANT:  Butler, Madeline M.
;  APPLICANT:  Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TUMOR NECROSIS FACTOR-ALP
;  TITLE OF INVENTION:  ALPHA) EXPRESSION
;  FILE REFERENCE: ISPH-0501
;  CURRENT APPLICATION NUMBER: US/10/652,795
;  CURRENT FILING DATE:  2003-08-29
;  PRIOR APPLICATION NUMBER: US/09/824,322B
;  PRIOR FILING DATE: 2001-04-02
;  PRIOR APPLICATION NUMBER: US 09/313,932
;  PRIOR FILING DATE: 1999-05-18
;  PRIOR APPLICATION NUMBER: US 09/166,186
;  PRIOR FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 503
; SEQ ID NO 153
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-10-652-795-153

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        844 TGTGGCTCAGACTCCCTATC 863
              ||||   ||||| |||||||
Db          1 TGTGTGCCAGACACCCTATC 20

RESULT 1002
US-10-652-795-244/c
; Sequence 244, Application US/10652795
; Publication No. US20040142346A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT:  Bennett, C. Frank
;  APPLICANT:  Butler, Madeline M.
;  APPLICANT:  Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TUMOR NECROSIS FACTOR-AL
;  TITLE OF INVENTION:  ALPHA) EXPRESSION
;  FILE REFERENCE: ISPH-0501
;  CURRENT APPLICATION NUMBER: US/10/652,795
;  CURRENT FILING DATE:  2003-08-29
;  PRIOR APPLICATION NUMBER: US/09/824,322B
;  PRIOR FILING DATE: 2001-04-02
;  PRIOR APPLICATION NUMBER: US 09/313,932
;  PRIOR FILING DATE: 1999-05-18
;  PRIOR APPLICATION NUMBER: US 09/166,186
;  PRIOR FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 503
; SEQ ID NO 244
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-10-652-795-244
```

```
  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        241 AATGCTGAGGAGATGACCAA 260
              ||||||||   | |||||||
Db         20 AATGCTGATTTGGTGACCAA 1


RESULT 1003
US-10-652-795-493/c
; Sequence 493, Application US/10652795
; Publication No. US20040142346A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT:  Bennett, C. Frank
;  APPLICANT:  Butler, Madeline M.
;  APPLICANT:  Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TUMOR NECROSIS FACTOR-ALP
;  TITLE OF INVENTION:  ALPHA) EXPRESSION
;  FILE REFERENCE: ISPH-0501
;  CURRENT APPLICATION NUMBER: US/10/652,795
;  CURRENT FILING DATE:  2003-08-29
;  PRIOR APPLICATION NUMBER: US/09/824,322B
;  PRIOR FILING DATE: 2001-04-02
;  PRIOR APPLICATION NUMBER: US 09/313,932
;  PRIOR FILING DATE: 1999-05-18
;  PRIOR APPLICATION NUMBER: US 09/166,186
;  PRIOR FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 503
; SEQ ID NO 493
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-10-652-795-493

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        240 CAATGCTGAGGAGATGACCA 259
              |||||||||   | ||||||
Db         20 CAATGCTGATTTGGTGACCA 1


RESULT 1004
US-10-647-918-69
; Sequence 69, Application US/10647918
; Publication No. US20040152652A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT:  Bennett, C. Frank
;  APPLICANT:  Butler, Madeline M.
;  APPLICANT:  Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TUMOR NECROSIS FACTOR-ALP
;  TITLE OF INVENTION:  ALPHA) EXPRESSION
;  FILE REFERENCE: ISPH-0501
;  CURRENT APPLICATION NUMBER: US/10/647,918
;  CURRENT FILING DATE:  2003-08-26
;  PRIOR APPLICATION NUMBER: US/09/824,322B
;  PRIOR FILING DATE: 2001-04-02
;  PRIOR APPLICATION NUMBER: US 09/313,932
;  PRIOR FILING DATE: 1999-05-18
;  PRIOR APPLICATION NUMBER: US 09/166,186
;  PRIOR FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 503
; SEQ ID NO 69
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-10-647-918-69

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        845 GTGGCTCAGACTCCCTATCT 864
              |||   ||||| ||||||||
Db          1 GTGTGCCAGACACCCTATCT 20


RESULT 1005
US-10-647-918-153
; Sequence 153, Application US/10647918
; Publication No. US20040152652A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT:  Bennett, C. Frank
;  APPLICANT:  Butler, Madeline M.
;  APPLICANT:  Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TUMOR NECROSIS FACTOR-AL
;  TITLE OF INVENTION:  ALPHA) EXPRESSION
;  FILE REFERENCE: ISPH-0501
;  CURRENT APPLICATION NUMBER: US/10/647,918
;  CURRENT FILING DATE:  2003-08-26
;  PRIOR APPLICATION NUMBER: US/09/824,322B
;  PRIOR FILING DATE: 2001-04-02
;  PRIOR APPLICATION NUMBER: US 09/313,932
;  PRIOR FILING DATE: 1999-05-18
;  PRIOR APPLICATION NUMBER: US 09/166,186
;  PRIOR FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 503
; SEQ ID NO 153
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-10-647-918-153

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        844 TGTGGCTCAGACTCCCTATC 863
              ||||   ||||| |||||||
Db          1 TGTGTGCCAGACACCCTATC 20


RESULT 1006
US-10-647-918-244/c
; Sequence 244, Application US/10647918
; Publication No. US20040152652A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT:  Bennett, C. Frank
;  APPLICANT:  Butler, Madeline M.
;  APPLICANT:  Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TUMOR NECROSIS FACTOR-AL
;  TITLE OF INVENTION:  ALPHA) EXPRESSION
;  FILE REFERENCE: ISPH-0501
;  CURRENT APPLICATION NUMBER: US/10/647,918
;  CURRENT FILING DATE:  2003-08-26
;  PRIOR APPLICATION NUMBER: US/09/824,322B
;  PRIOR FILING DATE: 2001-04-02
;  PRIOR APPLICATION NUMBER: US 09/313,932
;  PRIOR FILING DATE: 1999-05-18
;  PRIOR APPLICATION NUMBER: US 09/166,186
;  PRIOR FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 503
; SEQ ID NO 244
;   LENGTH: 20
```

```
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Synthetic
S-10-647-918-244

 Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
 Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
 Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

y        241 AATGCTGAGGAGATGACCAA 260
             ||||||||  | |||||||
b         20 AATGCTGATTTGGTGACCAA 1


ESULT 1007
S-10-647-918-493/c
 Sequence 493, Application US/10647918
 Publication No. US20040152652A1
 GENERAL INFORMATION:
  APPLICANT: Baker, Brenda
  APPLICANT:  Bennett, C. Frank
  APPLICANT:  Butler, Madeline M.
  APPLICANT:  Shanahan, William R.
  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TUMOR NECROSIS FACTOR-ALP
  TITLE OF INVENTION:  ALPHA) EXPRESSION
  FILE REFERENCE: ISPH-0501
  CURRENT APPLICATION NUMBER: US/10/647,918
  CURRENT FILING DATE:  2003-08-26
  PRIOR APPLICATION NUMBER: US/09/824,322B
  PRIOR FILING DATE: 2001-04-02
  PRIOR APPLICATION NUMBER: US 09/313,932
  PRIOR FILING DATE: 1999-05-18
  PRIOR APPLICATION NUMBER: US 09/166,186
  PRIOR FILING DATE: 1998-10-05
  NUMBER OF SEQ ID NOS: 503
 SEQ ID NO 493
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Synthetic
IS-10-647-918-493

  Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

)y        240 CAATGCTGAGGAGATGACCA 259
              ||||||||  | ||||||
)b         20 CAATGCTGATTTGGTGACCA 1


RESULT 1008
JS-10-766-185-95/c
; Sequence 95, Application US/10766185
; Publication No. US20040152655A1
; GENERAL INFORMATION:
;  APPLICANT: Yoon, Heejeong
;  APPLICANT:  Ahn, Chang Ho
;  APPLICANT:  Lee, Young  Bok
;  APPLICANT:  Mao, Lingjun
;  APPLICANT:  Jiang, Xiaoming
;  TITLE OF INVENTION: Antisense Oligonucleotides that inhibit expression of HIF-1
;  FILE REFERENCE: REX 7034
;  CURRENT APPLICATION NUMBER: US/10/766,185
;  CURRENT FILING DATE:  2004-01-28
;  NUMBER OF SEQ ID NOS: 130
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 95
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   OTHER INFORMATION: antisense oligonucleotide
US-10-766-185-95

  Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1609 AAAATTTATTAAATATAAAT 1628
              |||| |||   |||||||||
Db         20 AAAAATTACAGAATATAAAT 1


RESULT 1009
US-10-777-838-51
; Sequence 51, Application US/10777838
; Publication No. US20040162259A1
; GENERAL INFORMATION:
;  APPLICANT: Wedel, Mark K.
;  APPLICANT:  Miner, Philip B.
;  TITLE OF INVENTION: Compositions and Methods for Treatment of Pouchitis
;  FILE REFERENCE: ISIC0008-100
;  CURRENT APPLICATION NUMBER: US/10/777,838
;  CURRENT FILING DATE:  2004-02-12
;  PRIOR APPLICATION NUMBER: 60/518,053
;  PRIOR FILING DATE: 2003-11-07
;  PRIOR APPLICATION NUMBER: 60/477,215
;  PRIOR FILING DATE: 2003-02-13
;  NUMBER OF SEQ ID NOS: 53
; SEQ ID NO 51
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: antisense sequence
US-10-777-838-51

  Query Match              0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 8.1e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        845 GTGGCTCAGACTCCCTATCT 864
              |||   ||||| ||||||||
Db          1 GTGTGCCAGACACCCTATCT 20


RESULT 1010
US-10-386-243-6/c
; Sequence 6, Application US/10386243
; Publication No. US20030232749A1
; GENERAL INFORMATION:
;  APPLICANT: Renzi, Michael
;  APPLICANT:  Thirumalai, Navneeth
;  APPLICANT:  Joliffe, Linda
;  APPLICANT:  Farrell, Francis
;  TITLE OF INVENTION: Methods for SHP1 Mediated Neuroprotection
;  FILE REFERENCE: ORT-1611
;  CURRENT APPLICATION NUMBER: US/10/386,243
;  CURRENT FILING DATE:  2003-03-11
;  PRIOR APPLICATION NUMBER: US 60/363,440
;  PRIOR FILING DATE: 2002-03-11
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   OTHER INFORMATION: oligonucleotide primer
US-10-386-243-6

  Query Match              0.7%;  Score 13.6;  DB 1;  Length 21;
  Best Local Similarity   80.0%;  Pred. No. 8.6e+02;
```

```
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1674 CTGGGTGAGCTCTTCCAGGA 1693
              |||| ||| ||  |||||||
Db         21 CTGGTTGATCTGGTCCAGGA 2


RESULT 1011
US-10-287-919-1912/c
; Sequence 1912, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
;  NUMBER OF SEQ ID NOS: 2706
;  SOFTWARE: Proprietary
; SEQ ID NO 1912
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Methanococcus jannaschii complete genome.
;   FEATURE:
;   LOCATION: (1132255)...(1132269)
;   OTHER INFORMATION: Chromosome = 1  Strand = negative  ConnectronObjectNumber =  2435
US-10-287-919-1912

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 5.8e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1208 AGGCGATTCCTGAGG 1222
              ||| ||||||||||||
Db         15 AGGAGATTCCTGAGG 1


RESULT 1012
US-10-287-919-1925/c
; Sequence 1925, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
;  NUMBER OF SEQ ID NOS: 2706
;  SOFTWARE: Proprietary
; SEQ ID NO 1925
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Methanococcus jannaschii complete genome.
;   FEATURE:
;   LOCATION: (1144469)...(1144482)
;   OTHER INFORMATION: Chromosome = 1  Strand = negative  ConnectronObjectNumber =  2453
US-10-287-919-1925

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 5.8e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1208 AGGCGATTCCTGAGG 1222
              ||| ||||||||||||
Db         15 AGGAGATTCCTGAGG 1


RESULT 1013
US-09-420-433-19/c
; Sequence 19, Application US/09420433
; Patent No. US20020098480A1
;  GENERAL INFORMATION:
;    APPLICANT:  Sidransky, David
;    TITLE OF INVENTION:  NUCLEIC ACID MUTATION DETECTION IN
;    TITLE OF INVENTION:  HISTOLOGIC TISSUE
;    NUMBER OF SEQUENCES:  82
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Spensley Horn Jubas & Lubitz
;      STREET:  1880 Century Park East, Suite 500
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90067
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/420,433
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/181,664
;      FILING DATE:  JANUARY 14, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Wetherell, Jr., Ph.D., John R.
;      REGISTRATION NUMBER:  31,678
;      REFERENCE/DOCKET NUMBER:  PD-3055
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 455-5100
;      TELEFAX:  (619) 455-5110
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..16
US-09-420-433-19

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 16;
  Best Local Similarity   93.3%;  Pred. No. 6.3e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         64 ATGGCGCAGACGCAG 78
              ||||||||||||| |
Db         15 ATGGCGCAGACGCGG 1


RESULT 1014
US-10-287-919-2258/c
; Sequence 2258, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
;  NUMBER OF SEQ ID NOS: 2706
;  SOFTWARE: Proprietary
; SEQ ID NO 2258
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Methanococcus jannaschii complete genome.
;   FEATURE:
;   LOCATION: (1386877)...(1386892)
;   OTHER INFORMATION: Chromosome = 1  Strand = positive  ConnectronObjectNumber =  288
US-10-287-919-2258

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 16;
  Best Local Similarity   93.3%;  Pred. No. 6.3e+02;
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 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2046 TATTTTCATTTTTGT 2060
              ||||||||  ||||||
Db         16 TATTTTCAATTTTGT 2


ESULT 1015
S-09-866-108-970/c
 Sequence 970, Application US/09866108
 Patent No. US20020048800A1
 GENERAL INFORMATION:
  APPLICANT: GU, Yizhong
  APPLICANT:  JI, Yonggang
  APPLICANT:  PENN, Sharron G.
  APPLICANT:  HANZEL, David K.
  APPLICANT:  RANK, David R.
  APPLICANT:  CHEN, Wensheng
  APPLICANT:  SHANNON, Mark
  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
  FILE REFERENCE: AEOMICA-7
  CURRENT APPLICATION NUMBER: US/09/866,108
  CURRENT FILING DATE:  2001-05-25
  PRIOR APPLICATION NUMBER: US 60/207,456
  PRIOR FILING DATE: 2000-05-26
  PRIOR APPLICATION NUMBER: GB 24263.6
  PRIOR FILING DATE: 2000-10-04
  PRIOR APPLICATION NUMBER: US 60/236,359
  PRIOR FILING DATE: 2000-09-27
  PRIOR APPLICATION NUMBER: PCT/US01/00666
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00667
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00664
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00669
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00665
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00668
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00663
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00662
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00661
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00670
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: US 60/234,687
  PRIOR FILING DATE: 2000-09-21
  PRIOR APPLICATION NUMBER: US 60/266,860
  PRIOR FILING DATE: 2001-02-05
  NUMBER OF SEQ ID NOS: 15752
  SOFTWARE: Aeomica Sequence Listing Engine
 SEQ ID NO 970
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
JS-09-866-108-970

  Query Match              0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       466 TGGGCTGGGGGCCTG 480
             ||||||  ||||||||
Db        17 TGGGCTTGGGGCCTG 3


RESULT 1016
US-09-866-108-973/c
; Sequence 973, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 973
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-973

  Query Match              0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       465 TTGGGCTGGGGGCCT 479
             |||||||  |||||||
Db        15 TTGGGCTTGGGGCCT 1


RESULT 1017
US-09-866-108-2209/c
; Sequence 2209, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
```

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;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 2209
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-2209

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1970 ACACTGCCTGCCCTC 1984
                ||||||||||| ||
Db         17 ACACTGCCTGCCATC 3


RESULT 1018
US-09-866-108-2210/c
; Sequence 2210, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 2210
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-2210

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1970 ACACTGCCTGCCCTC 1984
                ||||||||||| ||
Db         16 ACACTGCCTGCCATC 2


RESULT 1019
US-09-866-108-2211/c
; Sequence 2211, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
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```
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00663
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00662
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00661
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00670
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: US 60/234,687
  PRIOR FILING DATE: 2000-09-21
  PRIOR APPLICATION NUMBER: US 60/266,860
  PRIOR FILING DATE: 2001-02-05
  NUMBER OF SEQ ID NOS: 15752
  SOFTWARE: Aeomica Sequence Listing Engine
 SEQ ID NO 2211
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
S-09-866-108-2211

 Query Match              0.6%;  Score 13.4;  DB 1;  Length 17;
 Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y       1970 ACACTGCCTGCCCTC 1984
             ||||||||||||| ||
b         15 ACACTGCCTGCCATC 1


ESULT 1020
S-09-866-108-2736
 Sequence 2736, Application US/09866108
 Patent No. US20020048800A1
 GENERAL INFORMATION:
  APPLICANT: GU, Yizhong
  APPLICANT:  JI, Yonggang
  APPLICANT:  PENN, Sharron G.
  APPLICANT:  HANZEL, David K.
  APPLICANT:  RANK, David R.
  APPLICANT:  CHEN, Wensheng
  APPLICANT:  SHANNON, Mark
  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
  FILE REFERENCE: AEOMICA-7
  CURRENT APPLICATION NUMBER: US/09/866,108
  CURRENT FILING DATE:  2001-05-25
  PRIOR APPLICATION NUMBER: US 60/207,456
  PRIOR FILING DATE: 2000-05-26
  PRIOR APPLICATION NUMBER: GB 24263.6
  PRIOR FILING DATE: 2000-10-04
  PRIOR APPLICATION NUMBER: US 60/236,359
  PRIOR FILING DATE: 2000-09-27
  PRIOR APPLICATION NUMBER: PCT/US01/00666
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00667
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00664
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00669
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00665
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00668
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00663
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00662
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00661
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00670
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: US 60/234,687
  PRIOR FILING DATE: 2000-09-21
  PRIOR APPLICATION NUMBER: US 60/266,860
  PRIOR FILING DATE: 2001-02-05
  NUMBER OF SEQ ID NOS: 15752
  SOFTWARE: Aeomica Sequence Listing Engine
 SEQ ID NO 2736
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
US-09-866-108-2736

  Query Match              0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1010 CAGCTGTGGCCCTGG 1024
              ||||||  ||||||||
Db          3 CAGCTGAGGCCCTGG 17


RESULT 1021
US-09-866-108-2737
 Sequence 2737, Application US/09866108
 Patent No. US20020048800A1
 GENERAL INFORMATION:
  APPLICANT: GU, Yizhong
  APPLICANT:  JI, Yonggang
  APPLICANT:  PENN, Sharron G.
  APPLICANT:  HANZEL, David K.
  APPLICANT:  RANK, David R.
  APPLICANT:  CHEN, Wensheng
  APPLICANT:  SHANNON, Mark
  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
  FILE REFERENCE: AEOMICA-7
  CURRENT APPLICATION NUMBER: US/09/866,108
  CURRENT FILING DATE:  2001-05-25
  PRIOR APPLICATION NUMBER: US 60/207,456
  PRIOR FILING DATE: 2000-05-26
  PRIOR APPLICATION NUMBER: GB 24263.6
  PRIOR FILING DATE: 2000-10-04
  PRIOR APPLICATION NUMBER: US 60/236,359
  PRIOR FILING DATE: 2000-09-27
  PRIOR APPLICATION NUMBER: PCT/US01/00666
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00667
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00664
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00669
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00665
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00668
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00663
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00662
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00661
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00670
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: US 60/234,687
  PRIOR FILING DATE: 2000-09-21
  PRIOR APPLICATION NUMBER: US 60/266,860
  PRIOR FILING DATE: 2001-02-05
  NUMBER OF SEQ ID NOS: 15752
  SOFTWARE: Aeomica Sequence Listing Engine
 SEQ ID NO 2737
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
US-09-866-108-2737
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  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1010 CAGCTGTGGCCCTGG 1024
              |||||| ||||||||
Db          2 CAGCTGAGGCCCTGG 16


RESULT 1022
US-09-866-108-2738
; Sequence 2738, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 2738
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-2738

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1010 CAGCTGTGGCCCTGG 1024
              |||||| ||||||||
Db          1 CAGCTGAGGCCCTGG 15


RESULT 1023
US-09-866-108-6563
; Sequence 6563, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 6563
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-6563

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1013 CTGTGGCCCTGGATA 1027
              || ||||||||||||
Db          2 CTCTGGCCCTGGATA 16


RESULT 1024
US-09-866-108-6564
; Sequence 6564, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
```

```
  APPLICANT:  CHEN, Wensheng
  APPLICANT:  SHANNON, Mark
  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
  FILE REFERENCE: AEOMICA-7
  CURRENT APPLICATION NUMBER: US/09/866,108
  CURRENT FILING DATE:  2001-05-25
  PRIOR APPLICATION NUMBER: US 60/207,456
  PRIOR FILING DATE: 2000-05-26
  PRIOR APPLICATION NUMBER: GB 24263.6
  PRIOR FILING DATE: 2000-10-04
  PRIOR APPLICATION NUMBER: US 60/236,359
  PRIOR FILING DATE: 2000-09-27
  PRIOR APPLICATION NUMBER: PCT/US01/00666
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00667
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00664
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00669
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00665
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00668
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00663
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00662
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00661
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00670
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: US 60/234,687
  PRIOR FILING DATE: 2000-09-21
  PRIOR APPLICATION NUMBER: US 60/266,860
  PRIOR FILING DATE: 2001-02-05
  NUMBER OF SEQ ID NOS: 15752
  SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 6564
  LENGTH: 17
  TYPE: DNA
  ORGANISM: Homo sapiens
S-09-866-108-6564

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y       1013 CTGTGGCCCTGGATA 1027
             || |||||||||||
b          1 CTCTGGCCCTGGATA 15


ESULT 1025
S-09-866-108-7085
Sequence 7085, Application US/09866108
Patent No. US20020048800A1
GENERAL INFORMATION:
 APPLICANT: GU, Yizhong
 APPLICANT:  JI, Yonggang
 APPLICANT:  PENN, Sharron G.
 APPLICANT:  HANZEL, David K.
 APPLICANT:  RANK, David R.
 APPLICANT:  CHEN, Wensheng
 APPLICANT:  SHANNON, Mark
 TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
 FILE REFERENCE: AEOMICA-7
 CURRENT APPLICATION NUMBER: US/09/866,108
 CURRENT FILING DATE:  2001-05-25
 PRIOR APPLICATION NUMBER: US 60/207,456
 PRIOR FILING DATE: 2000-05-26
 PRIOR APPLICATION NUMBER: GB 24263.6
 PRIOR FILING DATE: 2000-10-04
 PRIOR APPLICATION NUMBER: US 60/236,359
 PRIOR FILING DATE: 2000-09-27
 PRIOR APPLICATION NUMBER: PCT/US01/00666
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00667
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00664
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00669
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00665
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00668
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00663
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00662
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00661
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00670
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: US 60/234,687
 PRIOR FILING DATE: 2000-09-21
 PRIOR APPLICATION NUMBER: US 60/266,860
 PRIOR FILING DATE: 2001-02-05
 NUMBER OF SEQ ID NOS: 15752
 SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 7085
  LENGTH: 17
  TYPE: DNA
  ORGANISM: Homo sapiens
US-09-866-108-7085

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1457 CCAAGGAGGAGAAGC 1471
              ||||||||||| |||
Db          2 CCAAGGAGGAGGAGC 16


RESULT 1026
US-09-866-108-7086
Sequence 7086, Application US/09866108
Patent No. US20020048800A1
GENERAL INFORMATION:
 APPLICANT: GU, Yizhong
 APPLICANT:  JI, Yonggang
 APPLICANT:  PENN, Sharron G.
 APPLICANT:  HANZEL, David K.
 APPLICANT:  RANK, David R.
 APPLICANT:  CHEN, Wensheng
 APPLICANT:  SHANNON, Mark
 TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
 FILE REFERENCE: AEOMICA-7
 CURRENT APPLICATION NUMBER: US/09/866,108
 CURRENT FILING DATE:  2001-05-25
 PRIOR APPLICATION NUMBER: US 60/207,456
 PRIOR FILING DATE: 2000-05-26
 PRIOR APPLICATION NUMBER: GB 24263.6
 PRIOR FILING DATE: 2000-10-04
 PRIOR APPLICATION NUMBER: US 60/236,359
 PRIOR FILING DATE: 2000-09-27
 PRIOR APPLICATION NUMBER: PCT/US01/00666
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00667
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00664
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00669
 PRIOR FILING DATE: 2001-01-30
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;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 7086
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-7086

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1457 CCAAGGAGGAGAAGC 1471
             ||||||||||| |||
Db          1 CCAAGGAGGAGGAGC 15


RESULT 1027
US-09-866-108-8669
; Sequence 8669, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 8669
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-8669

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1457 CCAAGGAGGAGAAGC 1471
             ||||| |||||||||
Db          2 CCAAGAAGGAGAAGC 16


RESULT 1028
US-09-866-108-8670
; Sequence 8670, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 8670
;   LENGTH: 17
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   TYPE: DNA
   ORGANISM: Homo sapiens
S-09-866-108-8670

 Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
 Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y       1457 CCAAGGAGGAGAAGC 1471
             ||||| |||||||||
b          1 CCAAGAAGGAGAAGC 15


ESULT 1029
S-09-818-875-787/c
 Sequence 787, Application US/09818875
 Publication No. US20030051270A1
 GENERAL INFORMATION:
  APPLICANT: Kmiec, Eric B.
  APPLICANT:  Gamper, Howard B.
  APPLICANT:  Rice, Michael C.
  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
  TITLE OF INVENTION:  Stranded Oligonucleotides
  FILE REFERENCE: Napro-4
  CURRENT APPLICATION NUMBER: US/09/818,875
  CURRENT FILING DATE:  2001-03-27
  PRIOR APPLICATION NUMBER: US 60/192,176
  PRIOR FILING DATE: 2000-03-27
  PRIOR APPLICATION NUMBER: US 60/192,179
  PRIOR FILING DATE: 2000-03-27
  PRIOR APPLICATION NUMBER: US 60/208,538
  PRIOR FILING DATE: 2000-06-01
  PRIOR APPLICATION NUMBER: US 60/244,989
  PRIOR FILING DATE: 2000-10-30
  NUMBER OF SEQ ID NOS: 4385
  SOFTWARE: Friedman macro Napro4
 SEQ ID NO 787
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
S-09-818-875-787

 Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
 Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y       1923 TTGGTTCTGTTTTCG 1937
             ||||||||||||| |
b         15 TTGGTTCTGTTTTTG 1


ESULT 1030
S-09-818-875-788
 Sequence 788, Application US/09818875
 Publication No. US20030051270A1
 GENERAL INFORMATION:
  APPLICANT: Kmiec, Eric B.
  APPLICANT:  Gamper, Howard B.
  APPLICANT:  Rice, Michael C.
  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
  TITLE OF INVENTION:  Stranded Oligonucleotides
  FILE REFERENCE: Napro-4
  CURRENT APPLICATION NUMBER: US/09/818,875
  CURRENT FILING DATE:  2001-03-27
  PRIOR APPLICATION NUMBER: US 60/192,176
  PRIOR FILING DATE: 2000-03-27
  PRIOR APPLICATION NUMBER: US 60/192,179
  PRIOR FILING DATE: 2000-03-27
  PRIOR APPLICATION NUMBER: US 60/208,538
  PRIOR FILING DATE: 2000-06-01
  PRIOR APPLICATION NUMBER: US 60/244,989
  PRIOR FILING DATE: 2000-10-30
  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 788
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-818-875-788

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy      1923 TTGGTTCTGTTTTCG 1937
             ||||||||||||| |
Db         3 TTGGTTCTGTTTTTG 17


RESULT 1031
US-09-780-533A-496
; Sequence 496, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Chowrira, Bharat
;  APPLICANT:  Haeberli, Pete
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
;  FILE REFERENCE: MBHB00,878-A (400/011)
;  CURRENT APPLICATION NUMBER: US/09/780,533A
;  CURRENT FILING DATE:  2001-02-09
;  PRIOR APPLICATION NUMBER: US 60/181,797
;  PRIOR FILING DATE: 2000-02-11
;  NUMBER OF SEQ ID NOS: 6679
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 496
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-780-533A-496

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   60.0%;  Pred. No. 6.9e+02;
  Matches    9;  Conservative    5;  Mismatches    1;  Indels    0;  Gaps    0;

Qy      1827 AAGGTGCCCTTATTG 1841
             ||||:|| |::|::|
Db         1 AAGGUGCUCUUAUUG 15


RESULT 1032
US-09-780-533A-1546/c
; Sequence 1546, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Chowrira, Bharat
;  APPLICANT:  Haeberli, Pete
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
;  FILE REFERENCE: MBHB00,878-A (400/011)
;  CURRENT APPLICATION NUMBER: US/09/780,533A
;  CURRENT FILING DATE:  2001-02-09
;  PRIOR APPLICATION NUMBER: US 60/181,797
;  PRIOR FILING DATE: 2000-02-11
;  NUMBER OF SEQ ID NOS: 6679
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1546
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-780-533A-1546
```

```
  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          4 CGGAGCCGCGGGCGG 18
              | ||||||||||||||
Db         17 CAGAGCCGCGGGCGG 3


RESULT 1033
US-09-780-533A-1720
; Sequence 1720, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Chowrira, Bharat
;  APPLICANT:  Haeberli, Pete
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
;  FILE REFERENCE: MBHB00,878-A (400/011)
;  CURRENT APPLICATION NUMBER: US/09/780,533A
;  CURRENT FILING DATE:  2001-02-09
;  PRIOR APPLICATION NUMBER: US 60/181,797
;  PRIOR FILING DATE: 2000-02-11
;  NUMBER OF SEQ ID NOS: 6679
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1720
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-780-533A-1720

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   60.0%;  Pred. No. 6.9e+02;
  Matches    9;  Conservative    5;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1826 AAAGGTGCCCTTATT 1840
              |||||:||  |::|::
Db          3 AAAGGUGCUCUUAUU 17


RESULT 1034
US-09-780-533A-2097
; Sequence 2097, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Chowrira, Bharat
;  APPLICANT:  Haeberli, Pete
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
;  FILE REFERENCE: MBHB00,878-A (400/011)
;  CURRENT APPLICATION NUMBER: US/09/780,533A
;  CURRENT FILING DATE:  2001-02-09
;  PRIOR APPLICATION NUMBER: US 60/181,797
;  PRIOR FILING DATE: 2000-02-11
;  NUMBER OF SEQ ID NOS: 6679
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2097
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-780-533A-2097

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1246 GATGAGGACGAAGAC 1260
              || |||||||||||||
Db          2 GACGAGGACGAAGAC 16


RESULT 1035
US-09-780-533A-2332/c
; Sequence 2332, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Chowrira, Bharat
;  APPLICANT:  Haeberli, Pete
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
;  FILE REFERENCE: MBHB00,878-A (400/011)
;  CURRENT APPLICATION NUMBER: US/09/780,533A
;  CURRENT FILING DATE:  2001-02-09
;  PRIOR APPLICATION NUMBER: US 60/181,797
;  PRIOR FILING DATE: 2000-02-11
;  NUMBER OF SEQ ID NOS: 6679
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2332
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-780-533A-2332

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          4 CGGAGCCGCGGGCGG 18
              | ||||||||||||||
Db         15 CAGAGCCGCGGGCGG 1


RESULT 1036
US-09-780-533A-2371
; Sequence 2371, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Chowrira, Bharat
;  APPLICANT:  Haeberli, Pete
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
;  FILE REFERENCE: MBHB00,878-A (400/011)
;  CURRENT APPLICATION NUMBER: US/09/780,533A
;  CURRENT FILING DATE:  2001-02-09
;  PRIOR APPLICATION NUMBER: US 60/181,797
;  PRIOR FILING DATE: 2000-02-11
;  NUMBER OF SEQ ID NOS: 6679
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2371
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-780-533A-2371

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1246 GATGAGGACGAAGAC 1260
              || |||||||||||||
Db          3 GACGAGGACGAAGAC 17


RESULT 1037
US-09-848-754A-3288
; Sequence 3288, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
```

APPLICANT: Ribozyme Pharmaceuticals, Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
FILE REFERENCE: MBHB00-958-I (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: PatentIn version 3.0
SEQ ID NO 3288
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-09-848-754A-3288

Query Match 0.6%; Score 13.4; DB 1; Length 17;
Best Local Similarity 66.7%; Pred. No. 6.9e+02;
Matches 10; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

y 803 AAGTAATGGAGATGT 817
||| |:|||||:|:
b 2 AAGUGAUGGAGAUGU 16

ESULT 1038
S-09-848-754A-3289
Sequence 3289, Application US/09848754A
Publication No. US20030073207A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
FILE REFERENCE: MBHB00-958-I (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: PatentIn version 3.0
SEQ ID NO 3289
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-09-848-754A-3289

Query Match 0.6%; Score 13.4; DB 1; Length 17;
Best Local Similarity 66.7%; Pred. No. 6.9e+02;
Matches 10; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

y 803 AAGTAATGGAGATGT 817
||| |:|||||:|:
b 1 AAGUGAUGGAGAUGU 15

ESULT 1039
S-09-930-423-1742
Sequence 1742, Application US/09930423
Publication No. US20030092003A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: MBHB00,918-A 400/027
CURRENT APPLICATION NUMBER: US/09/930,423
CURRENT FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1742
LENGTH: 17
TYPE: RNA
ORGANISM: Homo Sapiens
S-09-930-423-1742

Query Match 0.6%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 6.9e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1424 AGGAGAAGAAAGAAG 1438
| |||||||||||||
Db 2 AAGAGAAGAAAGAAG 16

RESULT 1040
US-09-780-164-22/c
Sequence 22, Application US/09780164
Publication No. US20030092646A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20
FILE REFERENCE: 400/010
CURRENT APPLICATION NUMBER: US/09/780,164
CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/185,516
PRIOR FILING DATE: 2000-02-28
NUMBER OF SEQ ID NOS: 2603
SOFTWARE: PatentIn version 3.0
SEQ ID NO 22
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-780-164-22

Query Match 0.6%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 6.9e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1073 TTGGACCAGATTTCA 1087
||||||||||||| ||
Db 17 TTGGACCAGATTGCA 3

RESULT 1041
US-09-780-164-759/c
Sequence 759, Application US/09780164
Publication No. US20030092646A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20
FILE REFERENCE: 400/010
CURRENT APPLICATION NUMBER: US/09/780,164
CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/185,516
PRIOR FILING DATE: 2000-02-28
NUMBER OF SEQ ID NOS: 2603
SOFTWARE: PatentIn version 3.0
SEQ ID NO 759
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-780-164-759

Query Match 0.6%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 6.9e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1072 TTTGGACCAGATTTC 1086
||||||||||||| |
Db 15 TTTGGACCAGATTGC 1

RESULT 1042
US-09-745-237A-1742
Sequence 1742, Application US/09745237A
Publication No. US20030143708A1

```
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
;  FILE REFERENCE: 400/007 (MBHB00-918-A)
;  CURRENT APPLICATION NUMBER: US/09/745,237A
;  CURRENT FILING DATE:  2002-04-15
;  NUMBER OF SEQ ID NOS: 4550
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1742
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-745-237A-1742

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1424 AGGAGAAGAAAGAAG 1438
             | ||||||||||||||
Db          2 AAGAGAAGAAAGAAG 16


RESULT 1043
US-09-927-046-90
; Sequence 90, Application US/09927046
; Publication No. US20030064946A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Thompson, Jim
;  APPLICANT:  McKenzie, Tim
;  APPLICANT:  Ayers, Dave
;  APPLICANT:  Grupe, Andrew
;  APPLICANT:  Szymkowski, Edmund
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of Calcium Activated Chlori
;  TITLE OF INVENTION:  Channel-1
;  FILE REFERENCE: 249/021
;  CURRENT APPLICATION NUMBER: US/09/927,046
;  CURRENT FILING DATE:  2001-08-09
;  NUMBER OF SEQ ID NOS: 5450
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 90
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-927-046-90

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   73.3%;  Pred. No. 6.9e+02;
  Matches   11;  Conservative    3;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1843 ACATTCTAGAAGGGG 1857
             || ::|:|||||||||
Db          2 ACCUUCUAGAAGGGG 16


RESULT 1044
US-09-927-046-630
; Sequence 630, Application US/09927046
; Publication No. US20030064946A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Thompson, Jim
;  APPLICANT:  McKenzie, Tim
;  APPLICANT:  Ayers, Dave
;  APPLICANT:  Grupe, Andrew
;  APPLICANT:  Szymkowski, Edmund
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of Calcium Activated Chlori
;  TITLE OF INVENTION:  Channel-1
;  FILE REFERENCE: 249/021
;  CURRENT APPLICATION NUMBER: US/09/927,046
;  CURRENT FILING DATE:  2001-08-09
;  NUMBER OF SEQ ID NOS: 5450
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 630
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-927-046-630

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   73.3%;  Pred. No. 6.9e+02;
  Matches   11;  Conservative    3;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1843 ACATTCTAGAAGGGG 1857
             || ::|:|||||||||
Db          3 ACCUUCUAGAAGGGG 17


RESULT 1045
US-09-927-046-1912
; Sequence 1912, Application US/09927046
; Publication No. US20030064946A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Thompson, Jim
;  APPLICANT:  McKenzie, Tim
;  APPLICANT:  Ayers, Dave
;  APPLICANT:  Grupe, Andrew
;  APPLICANT:  Szymkowski, Edmund
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of Calcium Activated Chlor
;  TITLE OF INVENTION:  Channel-1
;  FILE REFERENCE: 249/021
;  CURRENT APPLICATION NUMBER: US/09/927,046
;  CURRENT FILING DATE:  2001-08-09
;  NUMBER OF SEQ ID NOS: 5450
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1912
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-927-046-1912

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   73.3%;  Pred. No. 6.9e+02;
  Matches   11;  Conservative    3;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1843 ACATTCTAGAAGGGG 1857
             || ::|:|||||||||
Db          1 ACCUUCUAGAAGGGG 15


RESULT 1046
US-10-060-998-1327/c
; Sequence 1327, Application US/10060998
; Publication No. US20030104530A1
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
;  FILE REFERENCE: PB01108
;  CURRENT APPLICATION NUMBER: US/10/060,998
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/343,331
;  PRIOR FILING DATE: 2001-12-21
;  NUMBER OF SEQ ID NOS: 3056
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1327
```

LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
S-10-060-998-1327

Query Match 0.6%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 6.9e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1336 GAGGAGGGAGAGGGG 1350
||||| |||||||||
Db 17 GAGGAAGGAGAGGGG 3

RESULT 1047
S-10-060-998-1328/c
Sequence 1328, Application US/10060998
Publication No. US20030104530A1
GENERAL INFORMATION:
APPLICANT: Gu, Yizhong
TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
FILE REFERENCE: PB01108
CURRENT APPLICATION NUMBER: US/10/060,998
CURRENT FILING DATE: 2002-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 09/864,761
PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/343,331
PRIOR FILING DATE: 2001-12-21
NUMBER OF SEQ ID NOS: 3056
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 1328
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
S-10-060-998-1328

Query Match 0.6%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 6.9e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1336 GAGGAGGGAGAGGGG 1350
||||| |||||||||
Db 16 GAGGAAGGAGAGGGG 2

RESULT 1048
S-10-156-306-76/c
Sequence 76, Application US/10156306
Publication No. US20030119017A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
FILE REFERENCE: MBHB01-664-A (400/050)
CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT FILING DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
SOFTWARE: PatentIn version 3.0
SEQ ID NO 76
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-10-156-306-76

Query Match 0.6%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 6.9e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 547 GAACTGCTAAAGTAT 561
||||||||||||| |
Db 17 GAACTGCTAAAGTTT 3

RESULT 1049
US-10-156-306-77/c
; Sequence 77, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MBHB01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 77
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-77

Query Match 0.6%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 6.9e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 547 GAACTGCTAAAGTAT 561
||||||||||||| |
Db 16 GAACTGCTAAAGTTT 2

RESULT 1050
US-10-156-306-2464/c
; Sequence 2464, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
; TITLE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MBHB01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2464
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-2464

Query Match 0.6%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 6.9e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 547 GAACTGCTAAAGTAT 561
||||||||||||| |
Db 15 GAACTGCTAAAGTTT 1

RESULT 1051
US-10-238-700-100
; Sequence 100, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Leve
; FILE REFERENCE: 400/057 (MBHB01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840

```
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 100
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-238-700-100

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   26.7%;  Pred. No. 6.9e+02;
  Matches    4;  Conservative   10;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1589 TTTCTCTGTGTATTT 1603
              :::|: :|:|:|::: 
Db          2 UUUCUUUGUGUAUUU 16


RESULT 1052
US-10-238-700-345/c
; Sequence 345, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 345
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-238-700-345

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1605 TATAAAAATTTATTA 1619
              ||||||||||| ||
Db         17 TATAAAAATTTAGTA 3


RESULT 1053
US-10-238-700-356/c
; Sequence 356, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 356
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-238-700-356

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        274 GACTACATTAAATTC 288
              ||||||||| |||||
Db         16 GACTACATTTAATTC 2


RESULT 1054
US-10-238-700-1018/c
; Sequence 1018, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Leve
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1018
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-238-700-1018

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        209 GAAAAATGGAAATCT 223
              || |||||||||||
Db         15 GACAAATGGAAATCT 1


RESULT 1055
US-10-238-700-1037/c
; Sequence 1037, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Leve
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1037
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-238-700-1037

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1614 TTATTAAATATAAAT 1628
              ||| ||||||||||
Db         17 TTACTAAATATAAAT 3
```

```
ESULT 1056
S-10-238-700-2701/c
 Sequence 2701, Application US/10238700
 Publication No. US20030153521A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  McSwiggen, James
  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
  FILE REFERENCE: 400/057  (MBHB01-1158-A)
  CURRENT APPLICATION NUMBER: US/10/238,700
  CURRENT FILING DATE:  2002-09-18
  PRIOR APPLICATION NUMBER: PCT/US 02/16840
  PRIOR FILING DATE: 2002-05-29
  PRIOR APPLICATION NUMBER: US 60/318,471
  PRIOR FILING DATE: 2001-09-10
  NUMBER OF SEQ ID NOS: 4666
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 2701
   LENGTH: 17
   TYPE: RNA
   ORGANISM: Homo sapiens
IS-10-238-700-2701

 Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
 Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          5 GGAGCCGCGGGCGGG 19
              ||||||||||| ||||
Db         16 GGAGCCGCGGTCGGG 2


RESULT 1057
JS-10-238-700-3038
; Sequence 3038, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3038
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
JS-10-238-700-3038

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1251 GGACGAAGACGACCC 1265
              ||||||| |||||||
Db          1 GGACGAAUACGACCC 15


RESULT 1058
US-10-339-782-245/c
; Sequence 245, Application US/10339782
; Publication No. US20030166026A1
; GENERAL INFORMATION:
;  APPLICANT: Lynx Therapeutics, Inc.
;  APPLICANT:  Goodman, Laurie J
;  APPLICANT:  Bowen, Benjamin A
;  TITLE OF INVENTION: Identification of Specific Biomarkers for Breast Cancer Cells
;  FILE REFERENCE: 37-000110US
;  CURRENT APPLICATION NUMBER: US/10/339,782
;  CURRENT FILING DATE:  2003-01-08
;  NUMBER OF SEQ ID NOS: 495
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 245
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-339-782-245

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1422 AGAGGAGAAGAAAGA 1436
              | ||||||||||||||
Db         17 AAAGGAGAAGAAAGA 3


RESULT 1059
US-10-061-201-247
; Sequence 247, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
;  APPLICANT: Shannon, Mark
;  TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
;  FILE REFERENCE: PB0178
;  CURRENT APPLICATION NUMBER: US/10/061,201
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/328,205
;  PRIOR FILING DATE: 2001-10-10
;  NUMBER OF SEQ ID NOS: 4162
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 247
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-061-201-247

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2068 TTTGTAATAAAATGG 2082
              |||| ||||||||||
Db          3 TTTGAAATAAAATGG 17


RESULT 1060
US-10-061-201-248
; Sequence 248, Application US/10061201
; Publication No. US20030166229A1
```

```
; GENERAL INFORMATION:
;  APPLICANT: Shannon, Mark
;  TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
;  FILE REFERENCE: PB0178
;  CURRENT APPLICATION NUMBER: US/10/061,201
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/328,205
;  PRIOR FILING DATE: 2001-10-10
;  NUMBER OF SEQ ID NOS: 4162
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 248
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-061-201-248

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2068 TTTGTAATAAAATGG 2082
              |||| ||||||||||
Db          2 TTTGAAATAAAATGG 16


RESULT 1061
US-10-061-201-249
; Sequence 249, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
;  APPLICANT: Shannon, Mark
;  TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
;  FILE REFERENCE: PB0178
;  CURRENT APPLICATION NUMBER: US/10/061,201
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/328,205
;  PRIOR FILING DATE: 2001-10-10
;  NUMBER OF SEQ ID NOS: 4162
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 249
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-061-201-249

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2068 TTTGTAATAAAATGG 2082
              |||| ||||||||||
Db          1 TTTGAAATAAAATGG 15


RESULT 1062
US-10-339-793-50
; Sequence 50, Application US/10339793
; Publication No. US20030180764A1
; GENERAL INFORMATION:
;  APPLICANT: Lynx Therapeutics, Inc.
;  APPLICANT:  Shang, Jin
;  APPLICANT:  Bowen, Benjamin
;  TITLE OF INVENTION: GENES AFFECTED BY CHOLESTEROL TREATMENT AND DURING ADIPOGENESIS
;  FILE REFERENCE: 37-000310US
;  CURRENT APPLICATION NUMBER: US/10/339,793
;  CURRENT FILING DATE:  2003-01-08
;  NUMBER OF SEQ ID NOS: 443
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 50
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-339-793-50

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1146 GATCAAACAGCGACT 1160
              |||| ||||||||||
Db          1 GATCCAACAGCGACT 15


RESULT 1063
US-10-209-787-787/c
; Sequence 787, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/10/209,787
;  CURRENT FILING DATE:  2002-07-30
;  PRIOR APPLICATION NUMBER: US 09/818,875
;  PRIOR FILING DATE: 2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 787
;   LENGTH: 17
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   TYPE: DNA
   ORGANISM: Homo sapiens
S-10-209-787-787

 Query Match              0.6%;  Score 13.4;  DB 1;  Length 17;
 Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1923 TTGGTTCTGTTTTCG 1937
              ||||||||||||| |
Db         15 TTGGTTCTGTTTTTG 1


RESULT 1064
US-10-209-787-788
  Sequence 788, Application US/10209787
  Publication No. US20030217377A1
  GENERAL INFORMATION:
   APPLICANT: Kmiec, Eric B.
   APPLICANT:  Gamper, Howard B.
   APPLICANT:  Rice, Michael C.
   TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
   TITLE OF INVENTION:  Stranded Oligonucleotides
   FILE REFERENCE: Napro-4
   CURRENT APPLICATION NUMBER: US/10/209,787
   CURRENT FILING DATE:  2002-07-30
   PRIOR APPLICATION NUMBER: US 09/818,875
   PRIOR FILING DATE: 2001-03-27
   PRIOR APPLICATION NUMBER: US 60/192,176
   PRIOR FILING DATE: 2000-03-27
   PRIOR APPLICATION NUMBER: US 60/192,179
   PRIOR FILING DATE: 2000-03-27
   PRIOR APPLICATION NUMBER: US 60/208,538
   PRIOR FILING DATE: 2000-06-01
   PRIOR APPLICATION NUMBER: US 60/244,989
   PRIOR FILING DATE: 2000-10-30
   NUMBER OF SEQ ID NOS: 4385
   SOFTWARE: Friedman macro Napro4
  SEQ ID NO 788
    LENGTH: 17
    TYPE: DNA
    ORGANISM: Homo sapiens
US-10-209-787-788

  Query Match              0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1923 TTGGTTCTGTTTTCG 1937
              ||||||||||||| |
Db          3 TTGGTTCTGTTTTTG 17


RESULT 1065
US-10-261-185-787/c
; Sequence 787, Application US/10261185
; Publication No. US20040014057A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: NaPro-4CON
;  CURRENT APPLICATION NUMBER: US/10/261,185
;  CURRENT FILING DATE:  2002-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/09761
;  PRIOR FILING DATE: 2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 787
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-261-185-787

  Query Match              0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1923 TTGGTTCTGTTTTCG 1937
              ||||||||||||| |
Db         15 TTGGTTCTGTTTTTG 1


RESULT 1066
US-10-261-185-788
; Sequence 788, Application US/10261185
; Publication No. US20040014057A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: NaPro-4CON
;  CURRENT APPLICATION NUMBER: US/10/261,185
;  CURRENT FILING DATE:  2002-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/09761
;  PRIOR FILING DATE: 2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 788
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-261-185-788

  Query Match              0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1923 TTGGTTCTGTTTTCG 1937
              ||||||||||||| |
Db          3 TTGGTTCTGTTTTTG 17


RESULT 1067
US-10-435-696-106
; Sequence 106, Application US/10435696
; Publication No. US20040018525A1
; GENERAL INFORMATION:
;  APPLICANT: Wirtz, Ralph
;  APPLICANT:  Munnes, Marc
;  APPLICANT:  Kallabis, Harald
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE PREDICTION, DIAGNOSIS, PROGNOSI
;  TITLE OF INVENTION:  PREVENTION AND TREATMENT OF MALIGNANT NEOPLASIA
;  FILE REFERENCE: LeA 36 108
;  CURRENT APPLICATION NUMBER: US/10/435,696
;  CURRENT FILING DATE:  2003-05-09
```

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;  PRIOR APPLICATION NUMBER: EP03003112.4
;  PRIOR FILING DATE: 2003-02-13
;  PRIOR APPLICATION NUMBER: EP02010291.9
;  PRIOR FILING DATE: 2002-05-21
;  NUMBER OF SEQ ID NOS: 314
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 106
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: PCR primer
US-10-435-696-106

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1646 CCAAGGCCCCGAGCT 1660
              ||||||||  ||||||
Db          2 CCAAGGCCACGAGCT 16


RESULT 1068
US-10-138-674-1032/c
; Sequence 1032, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/138,674
;  CURRENT FILING DATE:  2002-05-03
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1032
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-138-674-1032

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        351 TGGTGAGGACTGTCC 365
              |||  ||||||||||||
Db         16 TGGAGAGGACTGTCC 2


RESULT 1069
US-10-138-674-4644
; Sequence 4644, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/138,674
;  CURRENT FILING DATE:  2002-05-03
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4644
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-138-674-4644

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   86.7%;  Pred. No. 6.9e+02;
  Matches   13;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1437 AGTCACCGAAGAGGA 1451
              ||:||| ||||||||
Db          3 AGUCACAGAAGAGGA 17


RESULT 1070
US-10-138-674-8528/c
; Sequence 8528, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions R
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/138,674
;  CURRENT FILING DATE:  2002-05-03
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8528
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-138-674-8528

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         88 AGGAAAGTCTGTTAC 102
              ||||||  ||||||||
Db         15 AGGAAATTCTGTTAC 1


RESULT 1071
US-10-138-674-9024/c
; Sequence 9024, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions R
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/138,674
;  CURRENT FILING DATE:  2002-05-03
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 9024
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-138-674-9024

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;
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y        532 GTCTTGGCCATCCTG 546
             ||||| |||||||||
b         16 GTCTTTGCCATCCTG 2


ESULT 1072
S-10-676-154-289/c
 Sequence 289, Application US/10676154
 Publication No. US20040081996A1
 GENERAL INFORMATION:
  APPLICANT: John Landers
  APPLICANT:  David Houseman
  APPLICANT:  Barbara Jordan
  APPLICANT:  Alain Charest
  TITLE OF INVENTION: Methods and Products Related to
  TITLE OF INVENTION:  Genotyping and DNA Analysis
  FILE REFERENCE: M0656/7045(HCL/MAT)
  CURRENT APPLICATION NUMBER: US/10/676,154
  CURRENT FILING DATE:  2003-09-29
  PRIOR APPLICATION NUMBER: US 60/101,757
  PRIOR FILING DATE: 1998-09-25
  PRIOR APPLICATION NUMBER: PCT/US99/22283
  PRIOR FILING DATE: 1999-09-24
  NUMBER OF SEQ ID NOS: 691
  SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 289
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo Sapiens
S-10-676-154-289

 Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
 Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y       1062 CTTTGAATACTTTGG 1076
             | |||||||||||||
b         17 CCTTGAATACTTTGG 3


ESULT 1073
S-10-287-949A-1032/c
 Sequence 1032, Application US/10287949A
 Publication No. US20040102389A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  Pavco, Pam
  APPLICANT:  McSwiggen, Jim
  APPLICANT:  Stinchcomb, Dan
  APPLICANT:  Escobedo, Jaime
  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
  FILE REFERENCE: MBHB00-876-N (400/049)
  CURRENT APPLICATION NUMBER: US/10/287,949A
  CURRENT FILING DATE:  2003-04-11
  NUMBER OF SEQ ID NOS: 20822
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 1032
   LENGTH: 17
   TYPE: RNA
   ORGANISM: Homo sapiens
IS-10-287-949A-1032

 Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
 Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        351 TGGTGAGGACTGTCC 365
              ||| ||||||||||
Db         16 TGGAGAGGACTGTCC 2


RESULT 1074
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US-10-287-949A-4644
; Sequence 4644, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/287,949A
;  CURRENT FILING DATE:  2003-04-11
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4644
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-287-949A-4644

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   86.7%;  Pred. No. 6.9e+02;
  Matches   13;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1437 AGTCACCGAAGAGGA 1451
              ||:||| ||||||||
Db          3 AGUCACAGAAGAGGA 17


RESULT 1075
US-10-287-949A-8528/c
; Sequence 8528, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions R
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/287,949A
;  CURRENT FILING DATE:  2003-04-11
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8528
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-287-949A-8528

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         88 AGGAAAGTCTGTTAC 102
              |||||| ||||||||
Db         15 AGGAAATTCTGTTAC 1


RESULT 1076
US-10-287-949A-9024/c
; Sequence 9024, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
```

```
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/287,949A
;  CURRENT FILING DATE:  2003-04-11
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 9024
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-287-949A-9024

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        532 GTCTTGGCCATCCTG 546
              ||||| |||||||||
Db         16 GTCTTTGCCATCCTG 2


RESULT 1077
US-10-712-672-782/c
; Sequence 782, Application US/10712672
; Publication No. US20040102413A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Chowrira, Bharat
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
;  FILE REFERENCE: MBHB00-882-C (400/019)
;  CURRENT APPLICATION NUMBER: US/10/712,672
;  CURRENT FILING DATE:  2003-11-13
;  PRIOR APPLICATION NUMBER: US/09/653,225
;  PRIOR FILING DATE: 2000-08-31
;  PRIOR APPLICATION NUMBER: 60/197,769
;  PRIOR FILING DATE: 2000-04-14
;  PRIOR APPLICATION NUMBER: 60/150,713
;  PRIOR FILING DATE: 1999-08-31
;  NUMBER OF SEQ ID NOS: 5586
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 782
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-712-672-782

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1663 GGGCAGCTGTGCTGG 1677
              |||| ||||||||||
Db         16 GGGCTGCTGTGCTGG 2


RESULT 1078
US-10-712-672-2605
; Sequence 2605, Application US/10712672
; Publication No. US20040102413A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Chowrira, Bharat
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
;  FILE REFERENCE: MBHB00-882-C (400/019)
;  CURRENT APPLICATION NUMBER: US/10/712,672
;  CURRENT FILING DATE:  2003-11-13
;  PRIOR APPLICATION NUMBER: US/09/653,225
;  PRIOR FILING DATE: 2000-08-31
;  PRIOR APPLICATION NUMBER: 60/197,769
;  PRIOR FILING DATE: 2000-04-14
;  PRIOR APPLICATION NUMBER: 60/150,713
;  PRIOR FILING DATE: 1999-08-31
;  NUMBER OF SEQ ID NOS: 5586
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2605
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-712-672-2605

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   80.0%;  Pred. No. 6.9e+02;
  Matches   12;  Conservative    2;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1791 TCCTGAAATGCCAAG 1805
              :||:|||| ||||||
Db          1 UCCUGAAAGGCCAAG 15


RESULT 1079
US-10-712-672-2663
; Sequence 2663, Application US/10712672
; Publication No. US20040102413A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Chowrira, Bharat
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
;  FILE REFERENCE: MBHB00-882-C (400/019)
;  CURRENT APPLICATION NUMBER: US/10/712,672
;  CURRENT FILING DATE:  2003-11-13
;  PRIOR APPLICATION NUMBER: US/09/653,225
;  PRIOR FILING DATE: 2000-08-31
;  PRIOR APPLICATION NUMBER: 60/197,769
;  PRIOR FILING DATE: 2000-04-14
;  PRIOR APPLICATION NUMBER: 60/150,713
;  PRIOR FILING DATE: 1999-08-31
;  NUMBER OF SEQ ID NOS: 5586
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2663
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-712-672-2663

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   66.7%;  Pred. No. 6.9e+02;
  Matches   10;  Conservative    4;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        540 CATCCTGGAACTGCT 554
              ||:||:|||||:| :
Db          1 CAUCCUGGAACUGAU 15


RESULT 1080
US-10-723-361-970/c
; Sequence 970, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART A
;  FILE REFERENCE: PB0105
;  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
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  PRIOR APPLICATION NUMBER: US 09/866,108
  PRIOR FILING DATE: 2001-05-25
  PRIOR APPLICATION NUMBER: US 60/207,456
  PRIOR FILING DATE: 2000-05-26
  PRIOR APPLICATION NUMBER: GB 24263.6
  PRIOR FILING DATE: 2000-10-04
  PRIOR APPLICATION NUMBER: US 60/236,359
  PRIOR FILING DATE: 2000-09-27
  PRIOR APPLICATION NUMBER: PCT/US01/00666
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00667
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00664
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00669
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00665
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00668
  PRIOR FILING DATE: 2001-01-30
  Remaining Prior Application data removed - See File Wrapper or PALM.
  NUMBER OF SEQ ID NOS: 15755
  SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 970
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
S-10-723-361-970

  Query Match              0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y         466 TGGGCTGGGGGCCTG 480
              ||||||  ||||||||
b          17 TGGGCTTGGGGCCTG 3


ESULT 1081
S-10-723-361-973/c
 Sequence 973, Application US/10723361
 Publication No. US20040137589A1
 GENERAL INFORMATION:
  APPLICANT: GU, Yizhong
  APPLICANT:  JI, Yonggang
  APPLICANT:  PENN, Sharron G.
  APPLICANT:  HANZEL, David K.
  APPLICANT:  RANK, David R.
  APPLICANT:  CHEN, Wensheng
  APPLICANT:  SHANNON, Mark
  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
  FILE REFERENCE: PB0105
  CURRENT APPLICATION NUMBER: US/10/723,361
  CURRENT FILING DATE:  2003-11-26
  PRIOR APPLICATION NUMBER: US 09/866,108
  PRIOR FILING DATE: 2001-05-25
  PRIOR APPLICATION NUMBER: US 60/207,456
  PRIOR FILING DATE: 2000-05-26
  PRIOR APPLICATION NUMBER: GB 24263.6
  PRIOR FILING DATE: 2000-10-04
  PRIOR APPLICATION NUMBER: US 60/236,359
  PRIOR FILING DATE: 2000-09-27
  PRIOR APPLICATION NUMBER: PCT/US01/00666
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00667
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00664
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00669
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00665
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00668
  PRIOR FILING DATE: 2001-01-30
  Remaining Prior Application data removed - See File Wrapper or PALM.
  NUMBER OF SEQ ID NOS: 15755
  SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 973
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
US-10-723-361-973

  Query Match              0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        465 TTGGGCTGGGGGCCT 479
              |||||||  |||||||
Db         15 TTGGGCTTGGGGCCT 1


RESULT 1082
US-10-723-361-2209/c
 Sequence 2209, Application US/10723361
 Publication No. US20040137589A1
 GENERAL INFORMATION:
  APPLICANT: GU, Yizhong
  APPLICANT:  JI, Yonggang
  APPLICANT:  PENN, Sharron G.
  APPLICANT:  HANZEL, David K.
  APPLICANT:  RANK, David R.
  APPLICANT:  CHEN, Wensheng
  APPLICANT:  SHANNON, Mark
  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART A
  FILE REFERENCE: PB0105
  CURRENT APPLICATION NUMBER: US/10/723,361
  CURRENT FILING DATE:  2003-11-26
  PRIOR APPLICATION NUMBER: US 09/866,108
  PRIOR FILING DATE: 2001-05-25
  PRIOR APPLICATION NUMBER: US 60/207,456
  PRIOR FILING DATE: 2000-05-26
  PRIOR APPLICATION NUMBER: GB 24263.6
  PRIOR FILING DATE: 2000-10-04
  PRIOR APPLICATION NUMBER: US 60/236,359
  PRIOR FILING DATE: 2000-09-27
  PRIOR APPLICATION NUMBER: PCT/US01/00666
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00667
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00664
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00669
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00665
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00668
  PRIOR FILING DATE: 2001-01-30
  Remaining Prior Application data removed - See File Wrapper or PALM.
  NUMBER OF SEQ ID NOS: 15755
  SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 2209
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
US-10-723-361-2209

  Query Match              0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1970 ACACTGCCTGCCCTC 1984
              ||||||||||| ||
Db         17 ACACTGCCTGCCATC 3
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RESULT 1083
US-10-723-361-2210/c
; Sequence 2210, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
;  FILE REFERENCE: PB0105
;  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: US 09/866,108
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 2210
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-723-361-2210

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1970 ACACTGCCTGCCCTC 1984
              ||||||||||||| ||
Db         16 ACACTGCCTGCCATC 2


RESULT 1084
US-10-723-361-2211/c
; Sequence 2211, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
;  FILE REFERENCE: PB0105
;  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: US 09/866,108
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 2211
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-723-361-2211

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1970 ACACTGCCTGCCCTC 1984
              ||||||||||||| ||
Db         15 ACACTGCCTGCCATC 1


RESULT 1085
US-10-723-361-2736
; Sequence 2736, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART A
;  FILE REFERENCE: PB0105
;  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: US 09/866,108
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
```

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  SOFTWARE: Aeomica Sequence Listing Engine
 SEQ ID NO 2736
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
S-10-723-361-2736

 Query Match              0.6%;  Score 13.4;  DB 1;  Length 17;
 Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y       1010 CAGCTGTGGCCCTGG 1024
             ||||||  ||||||||
b          3 CAGCTGAGGCCCTGG 17


ESULT 1086
S-10-723-361-2737
 Sequence 2737, Application US/10723361
 Publication No. US20040137589A1
 GENERAL INFORMATION:
  APPLICANT: GU, Yizhong
  APPLICANT:  JI, Yonggang
  APPLICANT:  PENN, Sharron G.
  APPLICANT:  HANZEL, David K.
  APPLICANT:  RANK, David R.
  APPLICANT:  CHEN, Wensheng
  APPLICANT:  SHANNON, Mark
  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
  FILE REFERENCE: PB0105
  CURRENT APPLICATION NUMBER: US/10/723,361
  CURRENT FILING DATE:  2003-11-26
  PRIOR APPLICATION NUMBER: US 09/866,108
  PRIOR FILING DATE: 2001-05-25
  PRIOR APPLICATION NUMBER: US 60/207,456
  PRIOR FILING DATE: 2000-05-26
  PRIOR APPLICATION NUMBER: GB 24263.6
  PRIOR FILING DATE: 2000-10-04
  PRIOR APPLICATION NUMBER: US 60/236,359
  PRIOR FILING DATE: 2000-09-27
  PRIOR APPLICATION NUMBER: PCT/US01/00666
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00667
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00664
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00669
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00665
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00668
  PRIOR FILING DATE: 2001-01-30
  Remaining Prior Application data removed - See File Wrapper or PALM.
  NUMBER OF SEQ ID NOS: 15755
  SOFTWARE: Aeomica Sequence Listing Engine
 SEQ ID NO 2737
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
JS-10-723-361-2737

  Query Match              0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1010 CAGCTGTGGCCCTGG 1024
              ||||||  ||||||||
Db          2 CAGCTGAGGCCCTGG 16


RESULT 1087
JS-10-723-361-2738
; Sequence 2738, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
;  FILE REFERENCE: PB0105
;  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: US 09/866,108
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 2738
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-723-361-2738

  Query Match              0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1010 CAGCTGTGGCCCTGG 1024
              ||||||  ||||||||
Db          1 CAGCTGAGGCCCTGG 15


RESULT 1088
US-10-723-361-6563
; Sequence 6563, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART A
;  FILE REFERENCE: PB0105
;  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: US 09/866,108
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
```

```
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 6563
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-723-361-6563

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1013 CTGTGGCCCTGGATA 1027
              || ||||||||||||
Db          2 CTCTGGCCCTGGATA 16


RESULT 1089
US-10-723-361-6564
; Sequence 6564, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
;  FILE REFERENCE: PB0105
;  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: US 09/866,108
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 6564
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-723-361-6564

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1013 CTGTGGCCCTGGATA 1027
              || ||||||||||||
Db          1 CTCTGGCCCTGGATA 15


RESULT 1090
US-10-723-361-7085
; Sequence 7085, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART A
;  FILE REFERENCE: PB0105
;  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: US 09/866,108
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 7085
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-723-361-7085

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1457 CCAAGGAGGAGAAGC 1471
              ||||||||||| |||
Db          2 CCAAGGAGGAGGAGC 16


RESULT 1091
US-10-723-361-7086
; Sequence 7086, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
```

```
  APPLICANT:  JI, Yonggang
  APPLICANT:  PENN, Sharron G.
  APPLICANT:  HANZEL, David K.
  APPLICANT:  RANK, David R.
  APPLICANT:  CHEN, Wensheng
  APPLICANT:  SHANNON, Mark
  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
  FILE REFERENCE: PB0105
  CURRENT APPLICATION NUMBER: US/10/723,361
  CURRENT FILING DATE:  2003-11-26
  PRIOR APPLICATION NUMBER: US 09/866,108
  PRIOR FILING DATE: 2001-05-25
  PRIOR APPLICATION NUMBER: US 60/207,456
  PRIOR FILING DATE: 2000-05-26
  PRIOR APPLICATION NUMBER: GB 24263.6
  PRIOR FILING DATE: 2000-10-04
  PRIOR APPLICATION NUMBER: US 60/236,359
  PRIOR FILING DATE: 2000-09-27
  PRIOR APPLICATION NUMBER: PCT/US01/00666
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00667
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00664
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00669
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00665
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00668
  PRIOR FILING DATE: 2001-01-30
  Remaining Prior Application data removed - See File Wrapper or PALM.
  NUMBER OF SEQ ID NOS: 15755
  SOFTWARE: Aeomica Sequence Listing Engine
 SEQ ID NO 7086
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
JS-10-723-361-7086

 Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
 Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

)y       1457 CCAAGGAGGAGAAGC 1471
              ||||||||||| |||
)b          1 CCAAGGAGGAGGAGC 15


:ESULT 1092
'S-10-723-361-8669
 Sequence 8669, Application US/10723361
 Publication No. US20040137589A1
 GENERAL INFORMATION:
  APPLICANT: GU, Yizhong
  APPLICANT:  JI, Yonggang
  APPLICANT:  PENN, Sharron G.
  APPLICANT:  HANZEL, David K.
  APPLICANT:  RANK, David R.
  APPLICANT:  CHEN, Wensheng
  APPLICANT:  SHANNON, Mark
  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
  FILE REFERENCE: PB0105
  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: US 09/866,108
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 8669
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-723-361-8669

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1457 CCAAGGAGGAGAAGC 1471
              ||||| |||||||||
Db          2 CCAAGAAGGAGAAGC 16


RESULT 1093
US-10-723-361-8670
; Sequence 8670, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART A
;  FILE REFERENCE: PB0105
;  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: US 09/866,108
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 8670
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-723-361-8670
```

```
  Query Match             0.6%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 6.9e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1457 CCAAGGAGGAGAAGC 1471
              ||||| |||||||||
Db          1 CCAAGAAGGAGAAGC 15


RESULT 1094
US-10-333-429-224
; Sequence 224, Application US/10333429
; Publication No. US20040048265A1
; GENERAL INFORMATION:
;  APPLICANT: GENSET
;  TITLE OF INVENTION: Obesity Associated Biallelic Marker Maps
;  FILE REFERENCE: G-083US02PCT
;  CURRENT APPLICATION NUMBER: US/10/333,429
;  CURRENT FILING DATE:  2003-01-17
;  PRIOR APPLICATION NUMBER: PCT/IB01/01477
;  PRIOR FILING DATE: 2001-06-28
;  PRIOR APPLICATION NUMBER: US 60/219,704
;  PRIOR FILING DATE: 2000-07-18
;  NUMBER OF SEQ ID NOS: 579
;  SOFTWARE: Patent.pm
; SEQ ID NO 224
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: upstream amplification primer 99-57311 for SEQ 53,
US-10-333-429-224

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 7.5e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1692 GAGCCACCTTGCCAC 1706
              ||||||| |||||||
Db          4 GAGCCACATTGCCAC 18


RESULT 1095
US-10-168-771-39
; Sequence 39, Application US/10168771
; Publication No. US20030148974A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Lex M. Cowsert
;  APPLICANT:  Richard A. Roth
;  APPLICANT:  ISIS PHARMACEUTICALS, INC.
;  APPLICANT:  LELAND STANFORD JUNIOR UNIVERSITY
;  TITLE OF INVENTION: ANTISENSE MODULATION OF Akt-3 EXPRESSION
;  FILE REFERENCE: RTSP-0322
;  CURRENT APPLICATION NUMBER: US/10/168,771
;  CURRENT FILING DATE:  2002-06-21
;  PRIOR APPLICATION NUMBER: 09/474,922
;  PRIOR FILING DATE: 1999-12-29
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 39
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-168-771-39

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 7.5e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1707 CCATTCTTCCCGTTC 1721
              ||||||||||| |||
Db          4 CCATTCTTCCCTTTC 18


RESULT 1096
US-10-348-083-8
; Sequence 8, Application US/10348083
; Publication No. US20030186873A1
; GENERAL INFORMATION:
;  APPLICANT: EISHINGDRELO, Haifeng
;  APPLICANT:  CAI, Jidong
;  APPLICANT:  SANDRASAGRA, Anthony
;  TITLE OF INVENTION: NUCLEIC ACID ENCODING A G-PROTEIN COUPLED RECEPTOR, AND USES THE
;  FILE REFERENCE: USAV2001/0054 US NP
;  CURRENT APPLICATION NUMBER: US/10/348,083
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US 06/351,001
;  PRIOR FILING DATE: 2001-01-23
;  PRIOR APPLICATION NUMBER: GB 0210597.1
;  PRIOR FILING DATE: 2002-05-09
;  NUMBER OF SEQ ID NOS: 11
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial
;   FEATURE:
;   OTHER INFORMATION: Primer
US-10-348-083-8

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 7.5e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1305 TGCCTGTGAGGAAGA 1319
              || ||||||||||||
Db          1 TGGCTGTGAGGAAGA 15


RESULT 1097
US-10-440-850-1134
; Sequence 1134, Application US/10440850
; Publication No. US20030207837A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Jarvis, Thale
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Reve
;  TITLE OF INVENTION:  Immune Responses
;  FILE REFERENCE: 250/130 (MBHB00-900-A)
;  CURRENT APPLICATION NUMBER: US/10/440,850
;  CURRENT FILING DATE:  2003-05-19
;  PRIOR APPLICATION NUMBER: US/09/650,012
;  PRIOR FILING DATE: 2000-08-28
;  PRIOR APPLICATION NUMBER: US 08/585,684
;  PRIOR FILING DATE: 1996-01-12
;  PRIOR APPLICATION NUMBER: US 60/000,951
;  PRIOR FILING DATE: 1995-07-07
;  PRIOR APPLICATION NUMBER: US 09/038,073
;  PRIOR FILING DATE: 1998-03-11
;  NUMBER OF SEQ ID NOS: 2285
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1134
;   LENGTH: 18
;   TYPE: RNA
;   ORGANISM: Mus musculus
US-10-440-850-1134

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   66.7%;  Pred. No. 7.5e+02;
```

```
 Matches   10;  Conservative    4;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1974 TGCCTGCCCTCTGTC 1988
              :|||:|||| |:|:|
Db          3 UGCCUGCCCCCUGUC 17


ESULT 1098
S-10-388-263-300/c
 Sequence 300, Application US/10388263
 Publication No. US20030228597A1
 GENERAL INFORMATION:
  APPLICANT: Cowsert, Lex M.
  APPLICANT:  Baker, Brenda F.
  APPLICANT:  McNeil, John
  APPLICANT:  Freier, Susan M.
  APPLICANT:  Sasmor, Henri M.
  APPLICANT:  Brooks, Douglas G.
  APPLICANT:  Ohashi, Cara
  APPLICANT:  Wyatt, Jacqueline R.
  APPLICANT:  Borchers, Alexander
  APPLICANT:  Vickers, Timothy A.
  TITLE OF INVENTION: IDENTIFICATION OF GENETIC TARGETS FOR
  TITLE OF INVENTION:  MODULATION BY OLIGONUCLEOTIDES AND
  TITLE OF INVENTION:  GENERATION OF OLIGONUCLEOTIDES FOR GENE MODULATION
  FILE REFERENCE: ISIS-4503
  CURRENT APPLICATION NUMBER: US/10/388,263
  CURRENT FILING DATE:  2003-03-12
  NUMBER OF SEQ ID NOS: 947
  SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 300
   LENGTH: 18
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
S-10-388-263-300

 Query Match              0.6%;  Score 13.4;  DB 1;  Length 18;
 Best Local Similarity   93.3%;  Pred. No. 7.5e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y       1136 ACCTGGAGAAGATCA 1150
             |||||||||| ||||
b         18 ACCTGGAGAACATCA 4


ESULT 1099
S-10-349-143-6640/c
 Sequence 6640, Application US/10349143
 Publication No. US20040005584A1
 GENERAL INFORMATION:
  APPLICANT: Cohen, Daniel
  APPLICANT:  Blumenfeld, Marta
  APPLICANT:  Chumakov, Ilya
  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
  FILE REFERENCE: GENSET.020CP1
  CURRENT APPLICATION NUMBER: US/10/349,143
  CURRENT FILING DATE:  2003-01-21
  PRIOR APPLICATION NUMBER: US/09/422,978
  PRIOR FILING DATE: 1999-10-20
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
  NUMBER OF SEQ ID NOS: 11796
 SEQ ID NO 6640
   LENGTH: 18
   TYPE: DNA
   ORGANISM: Homo Sapiens
   FEATURE:
   NAME/KEY: primer_bind
   LOCATION: 1..18
   OTHER INFORMATION: upstream amplification primer 99-14944 for SEQ 2706,
US-10-349-143-6640

  Query Match              0.6%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 7.5e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1556 TCTTCCCCAACCCCT 1570
              ||||| |||||||||
Db         17 TCTTCACCAACCCCT 3


RESULT 1100
US-10-138-674-1493/c
 Sequence 1493, Application US/10138674
 Publication No. US20040077565A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  Pavco, Pam
  APPLICANT:  McSwiggen, Jim
  APPLICANT:  Stinchcomb, Dan
  APPLICANT:  Escobedo, Jaime
  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
  FILE REFERENCE: MBHB00-876-N (400/049)
  CURRENT APPLICATION NUMBER: US/10/138,674
  CURRENT FILING DATE:  2002-05-03
  NUMBER OF SEQ ID NOS: 20822
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 1493
   LENGTH: 18
   TYPE: RNA
   ORGANISM: Homo sapiens
US-10-138-674-1493

  Query Match              0.6%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 7.5e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        351 TGGTGAGGACTGTCC 365
              ||| ||||||||||||
Db         17 TGGAGAGGACTGTCC 3


RESULT 1101
US-10-287-949A-1493/c
 Sequence 1493, Application US/10287949A
 Publication No. US20040102389A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  Pavco, Pam
  APPLICANT:  McSwiggen, Jim
  APPLICANT:  Stinchcomb, Dan
  APPLICANT:  Escobedo, Jaime
  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions R
  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
  FILE REFERENCE: MBHB00-876-N (400/049)
  CURRENT APPLICATION NUMBER: US/10/287,949A
  CURRENT FILING DATE:  2003-04-11
  NUMBER OF SEQ ID NOS: 20822
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 1493
   LENGTH: 18
   TYPE: RNA
   ORGANISM: Homo sapiens
US-10-287-949A-1493

  Query Match              0.6%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 7.5e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;
```

```
Qy        351 TGGTGAGGACTGTCC 365
              ||| ||||||||||||
Db         17 TGGAGAGGACTGTCC 3


RESULT 1102
US-09-420-433-68/c
; Sequence 68, Application US/09420433
; Patent No. US20020098480A1
;  GENERAL INFORMATION:
;    APPLICANT:  Sidransky, David
;    TITLE OF INVENTION:  NUCLEIC ACID MUTATION DETECTION IN
;    TITLE OF INVENTION:  HISTOLOGIC TISSUE
;    NUMBER OF SEQUENCES:  82
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Spensley Horn Jubas & Lubitz
;      STREET:  1880 Century Park East, Suite 500
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90067
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/420,433
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/181,664
;      FILING DATE:  JANUARY 14, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Wetherell, Jr., Ph.D., John R.
;      REGISTRATION NUMBER:  31,678
;      REFERENCE/DOCKET NUMBER:  PD-3055
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 455-5100
;      TELEFAX:  (619) 455-5110
;  INFORMATION FOR SEQ ID NO:  68:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..19
US-09-420-433-68

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1584 TTCTATTTCTCTGTG 1598
              |||| ||||||||||
Db         16 TTCTCTTTCTCTGTG 2


RESULT 1103
US-09-911-904-9/c
; Sequence 9, Application US/09911904
; Publication No. US20030096234A1
; GENERAL INFORMATION:
;  APPLICANT: Farr, Spencer B.
;  APPLICANT:  Pickett, Gavin G.
;  APPLICANT:  Neft, Robin Eileen
;  APPLICANT:  Dunn, II, Robert Thomas
;  TITLE OF INVENTION: CANINE TOXICITY GENES
;  FILE REFERENCE: 400742000200
;  CURRENT APPLICATION NUMBER: US/09/911,904
;  CURRENT FILING DATE:  2002-04-09
;  PRIOR APPLICATION NUMBER: US 60/220,057
;  PRIOR FILING DATE: 2000-07-21
;  NUMBER OF SEQ ID NOS: 386
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Canis familiaris
US-09-911-904-9

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1850 AGAAGGGGTGGCTGG 1864
              |||||||| ||||||
Db         19 AGAAGGGGCGGCTGG 5


RESULT 1104
US-10-236-417-233
; Sequence 233, Application US/10236417
; Publication No. US20040048256A1
; GENERAL INFORMATION:
;  APPLICANT: Agee et al.
;  TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
;  FILE REFERENCE: 21402-442C
;  CURRENT APPLICATION NUMBER: US/10/236,417
;  CURRENT FILING DATE:  2003-01-06
;  PRIOR APPLICATION NUMBER: US60/318,120
;  PRIOR FILING DATE: 2001-09-01
;  PRIOR APPLICATION NUMBER: US60/318,430
;  PRIOR FILING DATE: 2001-09-10
;  PRIOR APPLICATION NUMBER: US60/322,781
;  PRIOR FILING DATE: 2001-09-17
;  PRIOR APPLICATION NUMBER: US60/318,184
;  PRIOR FILING DATE: 2001-09-07
;  PRIOR APPLICATION NUMBER: US60/361,663
;  PRIOR FILING DATE: 2002-03-05
;  PRIOR APPLICATION NUMBER: US60/396,412
;  PRIOR FILING DATE: 2002-07-17
;  PRIOR APPLICATION NUMBER: US60/322,636
;  PRIOR FILING DATE: 2001-09-17
;  PRIOR APPLICATION NUMBER: US60/322,817
;  PRIOR FILING DATE: 2001-09-17
;  PRIOR APPLICATION NUMBER: US60/322,816
;  PRIOR FILING DATE: 2001-09-17
;  PRIOR APPLICATION NUMBER: US60/323,519
;  PRIOR FILING DATE: 2001-09-19
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 341
;  SOFTWARE: Custom
; SEQ ID NO 233
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Forward Primer
US-10-236-417-233

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1132 GAGTACCTGGAGAAG 1146
              ||| ||||||||||||
Db          5 GAGGACCTGGAGAAG 19


RESULT 1105
US-10-618-540-25
; Sequence 25, Application US/10618540
```

```
 Publication No. US20040052771A1
 GENERAL INFORMATION:
  APPLICANT: Lim, Sai K.
  TITLE OF INVENTION: Hemangioblast Progenitor Cells
  FILE REFERENCE: 4810-66314
  CURRENT APPLICATION NUMBER: US/10/618,540
  CURRENT FILING DATE:  2003-07-09
  PRIOR APPLICATION NUMBER: 10/197,189
  PRIOR FILING DATE: 2002-07-12
  PRIOR APPLICATION NUMBER: 60/426,789
  PRIOR FILING DATE: 2002-11-18
  NUMBER OF SEQ ID NOS: 44
  SOFTWARE: PatentIn version 3.2
 SEQ ID NO 25
   LENGTH: 19
   TYPE: DNA
   ORGANISM: Mus musculus
S-10-618-540-25

 Query Match             0.6%;  Score 13.4;  DB 1;  Length 19;
 Best Local Similarity   93.3%;  Pred. No. 8.1e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y       1401 GGATGAAAAAGAGAA 1415
             ||| ||||||||||||
b          2 GGAGGAAAAAGAGAA 16


ESULT 1106
S-10-618-540-27
 Sequence 27, Application US/10618540
 Publication No. US20040052771A1
 GENERAL INFORMATION:
  APPLICANT: Lim, Sai K.
  TITLE OF INVENTION: Hemangioblast Progenitor Cells
  FILE REFERENCE: 4810-66314
  CURRENT APPLICATION NUMBER: US/10/618,540
  CURRENT FILING DATE:  2003-07-09
  PRIOR APPLICATION NUMBER: 10/197,189
  PRIOR FILING DATE: 2002-07-12
  PRIOR APPLICATION NUMBER: 60/426,789
  PRIOR FILING DATE: 2002-11-18
  NUMBER OF SEQ ID NOS: 44
  SOFTWARE: PatentIn version 3.2
 SEQ ID NO 27
   LENGTH: 19
   TYPE: DNA
   ORGANISM: Mus musculus
IS-10-618-540-27

 Query Match             0.6%;  Score 13.4;  DB 1;  Length 19;
 Best Local Similarity   93.3%;  Pred. No. 8.1e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

)y      1401 GGATGAAAAAGAGAA 1415
             ||| ||||||||||||
)b         2 GGAGGAAAAAGAGAA 16


:ESULT 1107
)S-10-067-076-16
 Sequence 16, Application US/10067076
 Publication No. US20030104404A1
 GENERAL INFORMATION:
  APPLICANT: Wise, Carol A.
  TITLE OF INVENTION: Genetic Markers for Autoimmune Disorder
;  FILE REFERENCE: TEX871/4-006US/36000
;  CURRENT APPLICATION NUMBER: US/10/067,076
;  CURRENT FILING DATE:  2002-02-04
;  PRIOR APPLICATION NUMBER: 60/287,893
;  PRIOR FILING DATE: 2001-05-01
;  PRIOR APPLICATION NUMBER: 09/710,693
;  PRIOR FILING DATE: 2000-11-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 16
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Human Nucleic Acid
US-10-067-076-16

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy      1302 AATTGCCTGTGAGGA 1316
             ||| ||||||||||||
Db         4 AATGGCCTGTGAGGA 18


RESULT 1108
US-10-251-117-639
; Sequence 639, Application US/10251117
; Publication No. US20030170891A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor F
;  TITLE OF INVENTION:  Gene Expression Using Short Interfering RNA
;  FILE REFERENCE: 900/042 (MBHB02-468-A)
;  CURRENT APPLICATION NUMBER: US/10/251,117
;  CURRENT FILING DATE:  2003-02-24
;  PRIOR APPLICATION NUMBER: US 60/393,924
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: US 10/163,552
;  PRIOR FILING DATE: 2002-06-06
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 09/916,466
;  PRIOR FILING DATE: 2001-07-25
;  PRIOR APPLICATION NUMBER: US 60/296,249
;  PRIOR FILING DATE: 2001-06-06
;  NUMBER OF SEQ ID NOS: 1213
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 639
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense
US-10-251-117-639

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   66.7%;  Pred. No. 8.1e+02;
  Matches   10;  Conservative    4;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       803 AAGTAATGGAGATGT 817
             |||: |:|||||:|:
Db         4 AAGUGAUGGAGAUGU 18


RESULT 1109
US-10-251-117-946/c
; Sequence 946, Application US/10251117
; Publication No. US20030170891A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor
;  TITLE OF INVENTION:  Gene Expression Using Short Interfering RNA
;  FILE REFERENCE: 900/042 (MBHB02-468-A)
;  CURRENT APPLICATION NUMBER: US/10/251,117
;  CURRENT FILING DATE:  2003-02-24
;  PRIOR APPLICATION NUMBER: US 60/393,924
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: US 10/163,552
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```
;  PRIOR FILING DATE: 2002-06-06
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 09/916,466
;  PRIOR FILING DATE: 2001-07-25
;  PRIOR APPLICATION NUMBER: US 60/296,249
;  PRIOR FILING DATE: 2001-06-06
;  NUMBER OF SEQ ID NOS: 1213
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 946
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
US-10-251-117-946

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        803 AAGTAATGGAGATGT 817
              |||| ||||||||||
Db         16 AAGTGATGGAGATGT 2


RESULT 1110
US-10-349-143-5823
; Sequence 5823, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 5823
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-7136 for SEQ 1889,
US-10-349-143-5823

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1877 CTCCTGTTTTTTTCA 1891
              ||| ||||||||||||
Db          2 CTCTTGTTTTTTTCA 16


RESULT 1111
US-10-110-707A-40/c
; Sequence 40, Application US/10110707A
; Publication No. US20040106109A1
; GENERAL INFORMATION:
;  APPLICANT: Ortho Clinical Diagnostics, Inc.
;  APPLICANT:  Belly, Robert
;  APPLICANT:  Todd, Alison
;  APPLICANT:  Fuery, Caroline
;  TITLE OF INVENTION: Detection of RAS Mutations
;  FILE REFERENCE: CDS-247
;  CURRENT APPLICATION NUMBER: US/10/110,707A
;  CURRENT FILING DATE:  2003-06-05
;  PRIOR APPLICATION NUMBER: PCT/US01/42422
;  PRIOR FILING DATE: 2002-10-02
;  NUMBER OF SEQ ID NOS: 69
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 40
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Artificial Sequence source is human.
US-10-110-707A-40

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 8.1e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1251 GGACGAAGACGACCC 1265
              ||||||| |||||||
Db         19 GGACGAATACGACCC 5


RESULT 1112
US-08-983-605-263/c
; Sequence 263, Application US/08983605A
; Publication No. US20020066118A1
; GENERAL INFORMATION:
;  APPLICANT: Roder, Marion
;  TITLE OF INVENTION: Microsatellite Markers for Plants of the Species
;  TITLE OF INVENTION: Triticum Aestivum and Tribe Triticase and the Use of
;  TITLE OF INVENTION: Said Markers
;  FILE REFERENCE: 2936.10400
;  CURRENT APPLICATION NUMBER: US/08/983,605A
;  CURRENT FILING DATE: 1998-05-01
;  EARLIER APPLICATION NUMBER: DE 195 25 284.5
;  EARLIER FILING DATE: 1995-06-28
;  NUMBER OF SEQ ID NOS: 466
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 263
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Triticum aestivum
US-08-983-605-263

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        427 GTGAAACTTAATAAG 441
              |||||||||||| ||
Db         20 GTGAAACTTAATGAG 6


RESULT 1113
US-09-768-436-25
; Sequence 25, Application US/09768436
; Patent No. US20020006639A1
; GENERAL INFORMATION:
;  APPLICANT:  Paul Andrew Whittaker et al
;  TITLE OF INVENTION:  Disease-Associated Gene
;  FILE REFERENCE:  Case No. US20020006639A1 4-31306A/HO 25
;  CURRENT APPLICATION NUMBER: US/09/768,436
;  CURRENT FILING DATE:  2001-01-24
;  NUMBER OF SEQ ID NOS:  70
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 25
;   LENGTH: 20
;   TYPE: DNA
```

```
   ORGANISM: Homo sapiens
S-09-768-436-25

 Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
 Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y       1540 CTGAGTCCCTCACGT 1554
             ||||||||||||  ||
b          1 CTGAGTCCCTCAGGT 15


ESULT 1114
'S-09-808-382-14
 Sequence 14, Application US/09808382
 Patent No. US20020068045A1
 GENERAL INFORMATION:
  APPLICANT: Reubinoff, Benjamin E.
  APPLICANT:  Pera, Martin F.
  APPLICANT:  Ben-Hur, Tamir
  TITLE OF INVENTION: EMBRYONIC STEM CELLS AND NEURAL PROGENITOR CELLS
  TITLE OF INVENTION:  DERIVED THEREFROM
  FILE REFERENCE: 14418
  CURRENT APPLICATION NUMBER: US/09/808,382
  CURRENT FILING DATE:  2001-03-14
  NUMBER OF SEQ ID NOS: 22
  SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 14
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence:Hnf-3 reverse
   OTHER INFORMATION: primer
IS-09-808-382-14

 Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
 Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

)y      1209 GGCGATTCCTGAGGA 1223
             |||  ||||||||||
)b         4 GGCAATTCCTGAGGA 18


ESULT 1115
IS-09-791-243-50/c
; Sequence 50, Application US/09791243
; Patent No. US20020147164A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Robert Rothlein
;  APPLICANT:  Takashi Kei Kishimoto
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CYTOHESIN-1 EXPRESSION
;  FILE REFERENCE: RTS-0095
;  CURRENT APPLICATION NUMBER: US/09/791,243
;  CURRENT FILING DATE:  2001-02-22
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 50
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
JS-09-791-243-50

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy      1798 ATGCCAAGTGCCTGC 1812
             ||  ||||||||||||

Db        15 ATCCCAAGTGCCTGC 1


RESULT 1116
US-09-934-138B-6/c
; Sequence 6, Application US/09934138B
; Publication No. US20030039977A1
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D.
;  APPLICANT:  Manoharan, Muthiah
;  TITLE OF INVENTION: Carbamate-Derivatized Nucleosides And Oligonucleosides
;  FILE REFERENCE: ISIS-4802
;  CURRENT APPLICATION NUMBER: US/09/934,138B
;  CURRENT FILING DATE:  2002-06-25
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Oligonucleotide Sequence
US-09-934-138B-6

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy      1332 TGAAGAGGAGGGAGA 1346
             |||||||||  |||||
Db        18 TGAAGAGGATGGAGA 4


RESULT 1117
US-09-906-158-105
; Sequence 105, Application US/09906158
; Publication No. US20030078217A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF TRANSFORMING GROWTH FACTOR-BETA 3 EXPRES
;  FILE REFERENCE: RTS-0257
;  CURRENT APPLICATION NUMBER: US/09/906,158
;  CURRENT FILING DATE:  2001-07-14
;  NUMBER OF SEQ ID NOS: 168
; SEQ ID NO 105
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-906-158-105

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy      1670 TGTGCTGGGTGAGCT 1684
             ||  ||||||||||||
Db         1 TGCGCTGGGTGAGCT 15


RESULT 1118
US-09-998-027-179/c
; Sequence 179, Application US/09998027
; Publication No. US20030093819A1
; GENERAL INFORMATION:
;  APPLICANT: D'Andrea et al.
;  TITLE OF INVENTION: Methods and Compositions for the
;  TITLE OF INVENTION:  Diagnosis and Treatment of Cancers Associated with Defective
;  TITLE OF INVENTION:  DNA Repair Mechanisms
;  FILE REFERENCE: 2486/101
;  CURRENT APPLICATION NUMBER: US/09/998,027
```

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;  CURRENT FILING DATE:  2001-11-02
;  NUMBER OF SEQ ID NOS: 191
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 179
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: MG820
US-09-998-027-179

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        939 CCTGCCTATGCTGAT 953
              || ||||||||||||
Db         20 CCAGCCTATGCTGAT 6


RESULT 1119
US-09-974-619B-10/c
; Sequence 10, Application US/09974619B
; Publication No. US20030143537A1
; GENERAL INFORMATION:
;  APPLICANT: Schuetz, Erin
;  APPLICANT:  Zhang, Joing
;  APPLICANT:  Assem, Mahfoud
;  TITLE OF INVENTION: Genotyping Assay to Predict CYP3A5
;  TITLE OF INVENTION:  Phenotype
;  FILE REFERENCE: 44158/244344
;  CURRENT APPLICATION NUMBER: US/09/974,619B
;  CURRENT FILING DATE:  2002-04-30
;  PRIOR APPLICATION NUMBER: 60/279,915
;  PRIOR FILING DATE: 2001-03-29
;  NUMBER OF SEQ ID NOS: 36
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-09-974-619B-10

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1235 AGGAGAGTGGCGATG 1249
              |||| ||||||||||
Db         18 AGGAAAGTGGCGATG 4


RESULT 1120
US-09-961-756-45/c
; Sequence 45, Application US/09961756
; Publication No. US20030170253A1
;   GENERAL INFORMATION:
;        APPLICANT: ERIKSSON, Ulf
;                   OLOFSSON, Birgitta
;                   ALITALO, Kari
;                   PAJUSOLA, Katri
;        TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
;                            DNA CODING THEREFOR
;        NUMBER OF SEQUENCES: 57
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
;             STREET: 1200 G Street, N.W., Suite 700
;             CITY: Washington
;             STATE: DC
;             COUNTRY: USA
;             ZIP: 20005
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/961,756
;             FILING DATE: 25-Sep-2001
;             CLASSIFICATION: 435
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/08/609,443B
;             FILING DATE: 01-MAR-1996
;             APPLICATION NUMBER: US 08/397,651
;             FILING DATE: 01-MAR-1995
;             APPLICATION NUMBER: US 08/469,427
;             FILING DATE: 06-JUN-1995
;             APPLICATION NUMBER: US 08/569,063
;             FILING DATE: 06-DEC-1995
;        ATTORNEY/AGENT INFORMATION:
;             NAME: EVANS, Joseph D
;             REGISTRATION NUMBER: 26,269
;             REFERENCE/DOCKET NUMBER: 1064/41979CP4
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (202) 628-8800
;             TELEFAX: (202) 628-8844
;   INFORMATION FOR SEQ ID NO: 45:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA (genomic)
;        SEQUENCE DESCRIPTION: SEQ ID NO: 45:
US-09-961-756-45

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1183 CCGCACGCACCTGGG 1197
              ||||||| |||||||
Db         20 CCGCACGTACCTGGG 6


RESULT 1121
US-10-154-993-3/c
; Sequence 3, Application US/10154993
; Publication No. US20030064492A1
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Bennet, Clarence Frank
;  TITLE OF INVENTION: Derivatized Oligonucleotides Having Improved Uptake
;  TITLE OF INVENTION:  And
;  TITLE OF INVENTION:  Other Properties
;  FILE REFERENCE: ISIS4470
;  CURRENT APPLICATION NUMBER: US/10/154,993
;  CURRENT FILING DATE:  2002-05-23
;  PRIOR APPLICATION NUMBER: US/09/633,659
;  PRIOR FILING DATE: 2000-08-07
;  PRIOR APPLICATION NUMBER: 08/211,882
;  PRIOR FILING DATE: 1994-04-22
;  PRIOR APPLICATION NUMBER: 07/782,374
;  PRIOR FILING DATE: 1991-10-24
;  NUMBER OF SEQ ID NOS: 18
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
US-10-154-993-3

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
```

```
 Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y       1332 TGAAGAGGAGGGAGA 1346
             ||||||||| |||||
b         18 TGAAGAGGATGGAGA 4


ESULT 1122
S-10-144-488-19
 Sequence 19, Application US/10144488
 Publication No. US20030212017A1
 GENERAL INFORMATION:
  APPLICANT: Brett P. Monia
  APPLICANT:  Susan M. Freier
  TITLE OF INVENTION: ANTISENSE MODULATION OF FARNESYL TRANSFERASE BETA SUBUNIT EXPRESS
  FILE REFERENCE: RTS-0363
  CURRENT APPLICATION NUMBER: US/10/144,488
  CURRENT FILING DATE:  2002-05-10
  NUMBER OF SEQ ID NOS: 80
 SEQ ID NO 19
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
S-10-144-488-19

 Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
 Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y        389 TCTGTCAGTTGTCTA 403
             ||||||||||||| |
b          1 TCTGTCAGTTGTCGA 15


ESULT 1123
S-10-160-497-25/c
 Sequence 25, Application US/10160497
 Publication No. US20030224513A1
 GENERAL INFORMATION:
  APPLICANT: Susan M. Freier
  APPLICANT:  Kenneth W. Dobie
  APPLICANT:  Erich Koller
  TITLE OF INVENTION: ANTISENSE MODULATION OF NOTCH1 EXPRESSION
  FILE REFERENCE: RTS-0386
  CURRENT APPLICATION NUMBER: US/10/160,497
  CURRENT FILING DATE:  2002-05-30
  NUMBER OF SEQ ID NOS: 145
 SEQ ID NO 25
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
S-10-160-497-25

 Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
 Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y       1798 ATGCCAAGTGCCTGC 1812
             ||||||| |||||||
b         20 ATGCCAAATGCCTGC 6


ESULT 1124
S-10-160-497-97
 Sequence 97, Application US/10160497
 Publication No. US20030224513A1
 GENERAL INFORMATION:
  APPLICANT: Susan M. Freier
;  APPLICANT:  Kenneth W. Dobie
;  APPLICANT:  Erich Koller
;  TITLE OF INVENTION: ANTISENSE MODULATION OF NOTCH1 EXPRESSION
;  FILE REFERENCE: RTS-0386
;  CURRENT APPLICATION NUMBER: US/10/160,497
;  CURRENT FILING DATE:  2002-05-30
;  NUMBER OF SEQ ID NOS: 145
; SEQ ID NO 97
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-160-497-97

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1798 ATGCCAAGTGCCTGC 1812
              ||||||| |||||||
Db          1 ATGCCAAATGCCTGC 15


RESULT 1125
US-10-282-174-156/c
; Sequence 156, Application US/10282174
; Publication No. US20030224380A1
; GENERAL INFORMATION:
;  APPLICANT: Becker, Kenneth David
;  APPLICANT:  Velicelebi, Gonul
;  APPLICANT:  Elliot, Kathryn J.
;  APPLICANT:  Wang, Xin
;  APPLICANT:  Tanzi, Rudolph E.
;  APPLICANT:  Bertram, Lars
;  APPLICANT:  Saunders, Aleister J.
;  APPLICANT:  Mullin, Kristina M.
;  APPLICANT:  Sampson, Andrew Johnson
;  APPLICANT:  Blacker, Deborah Lynne
;  TITLE OF INVENTION: GENES AND POLYMORPHISMS ON CHROMOSOME 10
;  TITLE OF INVENTION:  ASSOCIATED WITH ALZHEIMER'S DISEASE AND OTHER
;  TITLE OF INVENTION:  NEURODEGENERATIVE DISEASES
;  FILE REFERENCE: 37481-3308
;  CURRENT APPLICATION NUMBER: US/10/282,174
;  CURRENT FILING DATE:  2002-10-25
;  PRIOR APPLICATION NUMBER: US 60/339,525
;  PRIOR FILING DATE: 2001-10-25
;  PRIOR APPLICATION NUMBER: US 60/338,010
;  PRIOR FILING DATE: 2001-11-08
;  PRIOR APPLICATION NUMBER: US 60/336,929
;  PRIOR FILING DATE: 2001-11-08
;  PRIOR APPLICATION NUMBER: US 60/338,363
;  PRIOR FILING DATE: 2001-11-09
;  PRIOR APPLICATION NUMBER: US 60/337,052
;  PRIOR FILING DATE: 2001-12-04
;  PRIOR APPLICATION NUMBER: US 60/368,919
;  PRIOR FILING DATE: 2002-03-28
;  NUMBER OF SEQ ID NOS: 564
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 156
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-10-282-174-156

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        946 ATGCTGATGCTGGGA 960
              ||||||||||||| |
Db         17 ATGCTGATGCTGGAA 3
```

```
RESULT 1126
US-10-348-750-25/c
; Sequence 25, Application US/10348750
; Publication No. US20030225019A1
; GENERAL INFORMATION:
;  APPLICANT: Susan M. Freier
;  APPLICANT:  Kenneth W. Dobie
;  APPLICANT:  Erich Koller
;  TITLE OF INVENTION: NOTCH1 INHIBITORS FOR INDUCING APOPTOSIS
;  FILE REFERENCE: ISPH-0729
;  CURRENT APPLICATION NUMBER: US/10/348,750
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: 10/160,497
;  PRIOR FILING DATE: 2002-02-20
;  NUMBER OF SEQ ID NOS: 146
; SEQ ID NO 25
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-348-750-25

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1798 ATGCCAAGTGCCTGC 1812
              ||||||| |||||||
Db         20 ATGCCAAATGCCTGC 6


RESULT 1127
US-10-348-750-97
; Sequence 97, Application US/10348750
; Publication No. US20030225019A1
; GENERAL INFORMATION:
;  APPLICANT: Susan M. Freier
;  APPLICANT:  Kenneth W. Dobie
;  APPLICANT:  Erich Koller
;  TITLE OF INVENTION: NOTCH1 INHIBITORS FOR INDUCING APOPTOSIS
;  FILE REFERENCE: ISPH-0729
;  CURRENT APPLICATION NUMBER: US/10/348,750
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: 10/160,497
;  PRIOR FILING DATE: 2002-02-20
;  NUMBER OF SEQ ID NOS: 146
; SEQ ID NO 97
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
US-10-348-750-97

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1798 ATGCCAAGTGCCTGC 1812
              ||||||| |||||||
Db          1 ATGCCAAATGCCTGC 15


RESULT 1128
US-10-396-678-8/c
; Sequence 8, Application US/10396678
; Publication No. US20030224414A1
; GENERAL INFORMATION:
;  APPLICANT: Yen, Yun
;  TITLE OF INVENTION: HUMAN RIBONUCLEOTIDE REDUCTASE M2
;  TITLE OF INVENTION:  SUBUNIT
;  FILE REFERENCE: 14037-002001
;  CURRENT APPLICATION NUMBER: US/10/396,678
;  CURRENT FILING DATE:  2003-03-25
;  PRIOR APPLICATION NUMBER: US 60/368,685
;  PRIOR FILING DATE: 2002-03-29
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-396-678-8

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1682 GCTCTTCCAGGAGCC 1696
              | ||||||||||||||
Db         15 GATCTTCCAGGAGCC 1


RESULT 1129
US-10-448-753-22/c
; Sequence 22, Application US/10448753
; Publication No. US20030211611A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  APPLICANT:  Mark P. Roach
;  TITLE OF INVENTION: ANTISENSE MODULATION OF ESTROGEN RECEPTOR ALPHA EXPRESSION
;  FILE REFERENCE: RTS-0340
;  CURRENT APPLICATION NUMBER: US/10/448,753
;  CURRENT FILING DATE:  2003-05-30
;  PRIOR APPLICATION NUMBER: US/10/027,983
;  PRIOR FILING DATE: 2001-12-18
;  NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 22
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-448-753-22

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1724 AACTTTGAACCATAA 1738
              ||||||||||||| |
Db         19 AACTTTGAACCATCA 5


RESULT 1130
US-10-073-718-3/c
; Sequence 3, Application US/10073718
; Publication No. US20020177150A1
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Bennett, Clarence Frank
;  TITLE OF INVENTION: Derivatized Oligonucleotides Having Improved Uptake and Other Pr
;  FILE REFERENCE: ISIS-5024
;  CURRENT APPLICATION NUMBER: US/10/073,718
;  CURRENT FILING DATE:  2002-05-08
;  PRIOR APPLICATION NUMBER: 09/633659
;  PRIOR FILING DATE: 2000-08-07
;  PRIOR APPLICATION NUMBER: 6153737
;  PRIOR FILING DATE: 2000-11-28
;  PRIOR APPLICATION NUMBER: 08/211882
;  PRIOR FILING DATE: 1994-04-22
;  PRIOR APPLICATION NUMBER: PCT/US92/09196
;  PRIOR FILING DATE: 1992-10-23
;  PRIOR APPLICATION NUMBER: 07/782374
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  PRIOR FILING DATE: 1991-10-24
  PRIOR APPLICATION NUMBER: 07/566977
  PRIOR FILING DATE: 1990-08-13
  PRIOR APPLICATION NUMBER: PCT/US91/000243
  PRIOR FILING DATE: 1991-01-11
  PRIOR APPLICATION NUMBER: 08/463358
  PRIOR FILING DATE: 1990-01-11
  NUMBER OF SEQ ID NOS: 18
  SOFTWARE: PatentIn version 3.1
 SEQ ID NO 3
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: No. US20020177150A1el Sequence
S-10-073-718-3

 Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
 Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1332 TGAAGAGGAGGGAGA 1346
              ||||||||| |||||
Db         18 TGAAGAGGATGGAGA 4


ESULT 1131
S-10-054-683-6
 Sequence 6, Application US/10054683
 Publication No. US20030044813A1
 GENERAL INFORMATION:
  APPLICANT: Old, Lloyd J.
  APPLICANT:  Scanlan, Matthew J.
  APPLICANT:  Chen, Yao-Tseng
  TITLE OF INVENTION: Cancer-Testis Antigens
  FILE REFERENCE: L0461/7125 (JRV)
  CURRENT APPLICATION NUMBER: US/10/054,683
  CURRENT FILING DATE:  2002-01-22
  PRIOR APPLICATION NUMBER: US 60/280,718
  PRIOR FILING DATE: 2001-03-30
  PRIOR APPLICATION NUMBER: US 60/285,154
  PRIOR FILING DATE: 2001-04-20
  PRIOR APPLICATION NUMBER: US 60/327,432
  PRIOR FILING DATE: 2001-10-05
  NUMBER OF SEQ ID NOS: 37
  SOFTWARE: PatentIn version 3.1
 SEQ ID NO 6
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Primer
JS-10-054-683-6

 Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
 Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        247 GAGGAGATGACCAAG 261
              ||||| |||||||||
Db          2 GAGGAAATGACCAAG 16


RESULT 1132
JS-10-287-919-205/c
; Sequence 205, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
;  NUMBER OF SEQ ID NOS: 2706
;  SOFTWARE: Proprietary
; SEQ ID NO 205
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Methanococcus jannaschii complete genome.
;   FEATURE:
;   LOCATION: (49490)...(49510)
;   OTHER INFORMATION: Chromosome = 1  Strand = positive  ConnectronObjectNumber =   23
US-10-287-919-205

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2046 TATTTTCATTTTTGT 2060
              ||||||||| ||||||
Db         20 TATTTTCAATTTTGT 6


RESULT 1133
US-10-293-239-26
; Sequence 26, Application US/10293239
; Publication No. US20030119043A1
; GENERAL INFORMATION:
;  APPLICANT: Tanner, Stephan
;  APPLICANT:  de la Chapelle, Albert
;  TITLE OF INVENTION: BAALC expression as a diagnostic marker for acute leukemia
;  FILE REFERENCE: 22727/04101
;  CURRENT APPLICATION NUMBER: US/10/293,239
;  CURRENT FILING DATE:  2002-11-12
;  PRIOR APPLICATION NUMBER: US 60/348,210
;  PRIOR FILING DATE: 2001-11-09
;  NUMBER OF SEQ ID NOS: 39
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-293-239-26

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1418 ACCCAGAGGAGAAGA 1432
              ||||||||| ||||||
Db          1 ACCCAGAGAAGAAGA 15


RESULT 1134
US-10-027-983-22/c
; Sequence 22, Application US/10027983
; Publication No. US20030139360A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  APPLICANT:  Mark P. Roach
;  TITLE OF INVENTION: ANTISENSE MODULATION OF ESTROGEN RECEPTOR ALPHA EXPRESSION
;  FILE REFERENCE: RTS-0340
;  CURRENT APPLICATION NUMBER: US/10/027,983
;  CURRENT FILING DATE:  2001-12-18
;  NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 22
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-027-983-22

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;
```

```
Qy       1724 AACTTTGAACCATAA 1738
             ||||||||||||| |
Db         19 AACTTTGAACCATCA 5


RESULT 1135
US-10-006-191-70
; Sequence 70, Application US/10006191
; Publication No. US20030144223A1
; GENERAL INFORMATION:
;  APPLICANT: William Gaarde
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CONNECTIVE TISSUE GROWTH FACTOR EXPRESSIC
;  FILE REFERENCE: RTS-0274
;  CURRENT APPLICATION NUMBER: US/10/006,191
;  CURRENT FILING DATE:  2001-12-10
;  NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 70
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-006-191-70

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1435 GAAGTCACCGAAGAG 1449
             ||||||||  ||||||
Db          6 GAAGTCACAGAAGAG 20


RESULT 1136
US-10-192-437-8/c
; Sequence 8, Application US/10192437
; Publication No. US20030153737A1
;   GENERAL INFORMATION:
;        APPLICANT: Manoharan, Muthiah
;                   Phillip D. Cook
;        TITLE OF INVENTION: NOVEL AMINES AND METHODS OF
;                            MAKING AND USING THE SAME
;        NUMBER OF SEQUENCES: 16
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz
;                        and No. US20030153737A1ris
;             STREET: One Liberty Place - 46th Floor
;             CITY: Philadelphia
;             STATE: PA
;             COUNTRY: U.S.A.
;             ZIP: 19103
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: WordPerfect 5.1
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/192,437
;             FILING DATE: 10-Jul-2002
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/08/397,277A
;             FILING DATE: 09-MAR-1995
;             APPLICATION NUMBER: 07/943,516
;             FILING DATE: 11-SEP-1992
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Gaumond, Rebecca R.
;             REGISTRATION NUMBER: 35,152
;             REFERENCE/DOCKET NUMBER: ISIS-1198
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 215-568-3100
;             TELEFAX: 215-568-3439
;   INFORMATION FOR SEQ ID NO: 8:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA (genomic)
;        FEATURE:
;             NAME/KEY:  misc_feature
;             LOCATION:  9
;             OTHER INFORMATION:  /note=
;             "2'-O-aminopentoxy-2'-deoxyadenosine"
;        SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-10-192-437-8

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1332 TGAAGAGGAGGGAGA 1346
             |||||||||  |||||
Db         18 TGAAGAGGATGGAGA 4


RESULT 1137
US-10-192-437-9/c
; Sequence 9, Application US/10192437
; Publication No. US20030153737A1
;   GENERAL INFORMATION:
;        APPLICANT: Manoharan, Muthiah
;                   Phillip D. Cook
;        TITLE OF INVENTION: NOVEL AMINES AND METHODS OF
;                            MAKING AND USING THE SAME
;        NUMBER OF SEQUENCES: 16
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz
;                        and No. US20030153737A1ris
;             STREET: One Liberty Place - 46th Floor
;             CITY: Philadelphia
;             STATE: PA
;             COUNTRY: U.S.A.
;             ZIP: 19103
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: WordPerfect 5.1
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/192,437
;             FILING DATE: 10-Jul-2002
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/08/397,277A
;             FILING DATE: 09-MAR-1995
;             APPLICATION NUMBER: 07/943,516
;             FILING DATE: 11-SEP-1992
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Gaumond, Rebecca R.
;             REGISTRATION NUMBER: 35,152
;             REFERENCE/DOCKET NUMBER: ISIS-1198
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 215-568-3100
;             TELEFAX: 215-568-3439
;   INFORMATION FOR SEQ ID NO: 9:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA (genomic)
;        SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-10-192-437-9
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```
 Query Match              0.6%;  Score 13.4;  DB 1;  Length 20;
 Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1332 TGAAGAGGAGGGAGA 1346
              ||||||||| |||||
Db         18 TGAAGAGGATGGAGA 4


RESULT 1138
US-10-132-069-16
  Sequence 16, Application US/10132069
  Publication No. US20030166537A1
  GENERAL INFORMATION:
   APPLICANT: Michael Hanke
   APPLICANT:  Friedrich Kruse
   APPLICANT:  Michael Paulista
   APPLICANT:  Jens Pohl
   TITLE OF INVENTION: Use of GDNF for Treating Corneal Defects
   FILE REFERENCE: 3386.1000-000
   CURRENT APPLICATION NUMBER: US/10/132,069
   CURRENT FILING DATE:  2002-04-24
   PRIOR APPLICATION NUMBER: PCT/EP00/10674
   PRIOR FILING DATE: 2000-10-30
   PRIOR APPLICATION NUMBER: EP99121597.1
   PRIOR FILING DATE: 1999-10-29
   NUMBER OF SEQ ID NOS: 23
   SOFTWARE: FastSEQ for Windows Version 4.0
  SEQ ID NO 16
    LENGTH: 20
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: TrkA sense primer
US-10-132-069-16

  Query Match              0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        951 GATGCTGGGAGGCGG 965
              ||||||| |||||||
Db          1 GATGCTGCGAGGCGG 15


RESULT 1139
US-10-284-742-3/c
; Sequence 3, Application US/10284742
; Publication No. US20030175751A1
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Bennett, Clarence Frank
;  TITLE OF INVENTION: Derivatized Oligonucleotides Having Improved Uptake And Other Pro
;  FILE REFERENCE: ISIS5109
;  CURRENT APPLICATION NUMBER: US/10/284,742
;  CURRENT FILING DATE:  2003-01-17
;  PRIOR APPLICATION NUMBER: 10/154,993
;  PRIOR FILING DATE: 2002-05-23
;  PRIOR APPLICATION NUMBER: 09/633,659
;  PRIOR FILING DATE: 2000-08-07
;  PRIOR APPLICATION NUMBER: 08/211,882
;  PRIOR FILING DATE: 1994-04-22
;  PRIOR APPLICATION NUMBER: PCT/US92/09196
;  PRIOR FILING DATE: 1992-10-23
;  PRIOR APPLICATION NUMBER: 07/782,374
;  PRIOR FILING DATE: 1991-10-24
;  PRIOR APPLICATION NUMBER: PCT/US91/00243
;  PRIOR FILING DATE: 1991-01-11
;  PRIOR APPLICATION NUMBER: 07/463,358
;  PRIOR FILING DATE: 1990-01-11
;  PRIOR APPLICATION NUMBER: 07/566,977
;  PRIOR FILING DATE: 1990-08-13
;  NUMBER OF SEQ ID NOS: 18
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic construct
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(19)
;   OTHER INFORMATION: phosphorothioate inter-nucleotide backbone linkage
US-10-284-742-3

  Query Match              0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1332 TGAAGAGGAGGGAGA 1346
              ||||||||| |||||
Db         18 TGAAGAGGATGGAGA 4


RESULT 1140
US-10-032-585-4460
; Sequence 4460, Application US/10032585
; Publication No. US20030180953A1
; GENERAL INFORMATION:
;  APPLICANT: Terry, Roemer D.
;  APPLICANT:  Bo, Jiang
;  APPLICANT:  Charles, Boone
;  APPLICANT:  Howard, Bussey
;  TITLE OF INVENTION: Gene Disruption Methodologies for Drug Target Discovery
;  FILE REFERENCE: 10182-005-999
;  CURRENT APPLICATION NUMBER: US/10/032,585
;  CURRENT FILING DATE:  2001-12-20
;  NUMBER OF SEQ ID NOS: 8000
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4460
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Candida albicans
US-10-032-585-4460

  Query Match              0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1013 CTGTGGCCCTGGATA 1027
              |||||||| ||||||
Db          5 CTGTGGCCATGGATA 19


RESULT 1141
US-10-331-907-268/c
; Sequence 268, Application US/10331907
; Publication No. US20030181660A1
;   GENERAL INFORMATION:
;        APPLICANT: Todd, John A
;                   Hess, John W
;                   Caskey, Charles T
;                   Cox, Roger D
;                   Gerhold, David
;                   Hammond, Holly
;                   Hey, Patricia
;                   Kawaguchi, Yoshihiko
;                   Merriman, Tony R
;                   Metzker, Michael L
;        TITLE OF INVENTION: No. US20030181660A1el LDL-Receptor
;        NUMBER OF SEQUENCES: 455
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Nixon and Vanderhye
```

```
;           STREET: 1100 No. US20030181660A1th Glebe Road, Eighth Floor
;           CITY: Arlington
;           STATE: Virginia
;           COUNTRY: US
;           ZIP: VA 22201-4714
;       COMPUTER READABLE FORM:
;           MEDIUM TYPE: Floppy disk
;           COMPUTER: IBM PC compatible
;           OPERATING SYSTEM: PC-DOS/MS-DOS
;           SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
;       CURRENT APPLICATION DATA:
;           APPLICATION NUMBER: US/10/331,907
;           FILING DATE: 31-Dec-2002
;       PRIOR APPLICATION DATA:
;           APPLICATION NUMBER: US/09/402,923A
;           FILING DATE: 14-Feb-2001
;           APPLICATION NUMBER: PCT/GB98/01102
;           FILING DATE: 15-APR-1998
;           APPLICATION NUMBER: US 60/043,553
;           FILING DATE: 15-APR-1997
;           APPLICATION NUMBER: US 60/048,740
;           FILING DATE: 05-JUN-1997
;       ATTORNEY/AGENT INFORMATION:
;           NAME: B.J.Sadoff
;           REGISTRATION NUMBER: 36,663
;           REFERENCE/DOCKET NUMBER: 620-81
;       TELECOMMUNICATION INFORMATION:
;           TELEPHONE: (703)816-4091
;           TELEFAX: (703)816-4100
;   INFORMATION FOR SEQ ID NO: 268:
;       SEQUENCE CHARACTERISTICS:
;           LENGTH: 20 base pairs
;           TYPE: nucleic acid
;           STRANDEDNESS: single
;           TOPOLOGY: linear
;       SEQUENCE DESCRIPTION: SEQ ID NO: 268:
US-10-331-907-268

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1305 TGCCTGTGAGGAAGA 1319
              | ||||||||||||||
Db         18 TCCCTGTGAGGAAGA 4


RESULT 1142
US-10-165-099-179/c
; Sequence 179, Application US/10165099
; Publication No. US20030188326A1
; GENERAL INFORMATION:
;  APPLICANT: D'Andrea, Alan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS OF CANCER SUSCEPTIBILI
;  TITLE OF INVENTION:  DEFECTIVE DNA REPAIR MECHANISMS AND TREATMENT THEREOF
;  FILE REFERENCE: 7032/2055
;  CURRENT APPLICATION NUMBER: US/10/165,099
;  CURRENT FILING DATE:  2002-06-06
;  PRIOR APPLICATION NUMBER: US 09/998,027
;  PRIOR FILING DATE: 2001-11-02
;  PRIOR APPLICATION NUMBER: US 60/245,756
;  PRIOR FILING DATE: 2000-11-03
;  NUMBER OF SEQ ID NOS: 352
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 179
;  LENGTH: 20
;  TYPE: DNA
;  ORGANISM: Artificial sequence
;  FEATURE:
;  OTHER INFORMATION: Primer
US-10-165-099-179

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        939 CCTGCCTATGCTGAT 953
              || |||||||||||
Db         20 CCAGCCTATGCTGAT 6


RESULT 1143
US-10-080-979-2/c
; Sequence 2, Application US/10080979
; Publication No. US20030191075A1
; GENERAL INFORMATION:
;  APPLICANT: Cook,  Philip Dan
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Bennett, Frank C.
;  TITLE OF INVENTION: Oligonucleotide Conjugates For Hepatic Delivery
;  FILE REFERENCE: Isis-5028
;  CURRENT APPLICATION NUMBER: US/10/080,979
;  CURRENT FILING DATE:  2002-02-22
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
;  LENGTH: 20
;  TYPE: DNA
;  ORGANISM: Artificial Sequence
;  FEATURE:
;  OTHER INFORMATION: Oligonucleotide
;  NAME/KEY: misc_feature
;  LOCATION: (9)..(9)
;  OTHER INFORMATION: nucleotide functionalized to incorporate a  pentyl-N-phthalimido
;  OTHER INFORMATION: functionality
US-10-080-979-2

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1332 TGAAGAGGAGGGAGA 1346
              ||||||||| |||||
Db         18 TGAAGAGGATGGAGA 4


RESULT 1144
US-10-080-979-26/c
; Sequence 26, Application US/10080979
; Publication No. US20030191075A1
; GENERAL INFORMATION:
;  APPLICANT: Cook,  Philip Dan
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Bennett, Frank C.
;  TITLE OF INVENTION: Oligonucleotide Conjugates For Hepatic Delivery
;  FILE REFERENCE: Isis-5028
;  CURRENT APPLICATION NUMBER: US/10/080,979
;  CURRENT FILING DATE:  2002-02-22
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26
;  LENGTH: 20
;  TYPE: DNA
;  ORGANISM: Artificial Sequence
;  FEATURE:
;  OTHER INFORMATION: Oligonucleotide
;  NAME/KEY: misc_feature
;  LOCATION: (9)..(9)
;  OTHER INFORMATION: nucleotide functionalized to incorporate a  pentyl-N-phthalimido
;  OTHER INFORMATION: functionality
;  NAME/KEY: misc_feature
;  LOCATION: (18)..(18)
;  OTHER INFORMATION: nucleotide functionalized to incorporate a  pentyl-N-phthalimido
;  OTHER INFORMATION: functionality
US-10-080-979-26
```

```
 Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
 Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y       1332 TGAAGAGGAGGGAGA 1346
             ||||||||| |||||
b         18 TGAAGAGGATGGAGA 4


ESULT 1145
S-10-080-979-65/c
 Sequence 65, Application US/10080979
 Publication No. US20030191075A1
 GENERAL INFORMATION:
  APPLICANT: Cook,  Philip Dan
  APPLICANT:  Manoharan, Muthiah
  APPLICANT:  Bennett, Frank C.
  TITLE OF INVENTION: Oligonucleotide Conjugates For Hepatic Delivery
  FILE REFERENCE: Isis-5028
  CURRENT APPLICATION NUMBER: US/10/080,979
  CURRENT FILING DATE:  2002-02-22
  NUMBER OF SEQ ID NOS: 78
  SOFTWARE: PatentIn version 3.1
 SEQ ID NO 65
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Oligonucleotide
   NAME/KEY: misc_feature
   LOCATION: (9)..(9)
   OTHER INFORMATION: nucleotide functionalized to incorporate a biotin functionality
   NAME/KEY: misc_feature
   LOCATION: (18)..(18)
   OTHER INFORMATION: nucleotide functionalized to incorporate a biotin functionality
S-10-080-979-65

 Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
 Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y       1332 TGAAGAGGAGGGAGA 1346
             ||||||||| |||||
b         18 TGAAGAGGATGGAGA 4


ESULT 1146
S-10-080-979-72/c
 Sequence 72, Application US/10080979
 Publication No. US20030191075A1
 GENERAL INFORMATION:
  APPLICANT: Cook,  Philip Dan
  APPLICANT:  Manoharan, Muthiah
  APPLICANT:  Bennett, Frank C.
  TITLE OF INVENTION: Oligonucleotide Conjugates For Hepatic Delivery
  FILE REFERENCE: Isis-5028
  CURRENT APPLICATION NUMBER: US/10/080,979
  CURRENT FILING DATE:  2002-02-22
  NUMBER OF SEQ ID NOS: 78
  SOFTWARE: PatentIn version 3.1
 SEQ ID NO 72
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Oligonucleotide
JS-10-080-979-72

 Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
 Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy      1332 TGAAGAGGAGGGAGA 1346
             ||||||||| |||||
Db        18 TGAAGAGGATGGAGA 4


RESULT 1147
US-10-080-979-74/c
; Sequence 74, Application US/10080979
; Publication No. US20030191075A1
; GENERAL INFORMATION:
;  APPLICANT: Cook,  Philip Dan
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Bennett, Frank C.
;  TITLE OF INVENTION: Oligonucleotide Conjugates For Hepatic Delivery
;  FILE REFERENCE: Isis-5028
;  CURRENT APPLICATION NUMBER: US/10/080,979
;  CURRENT FILING DATE:  2002-02-22
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 74
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (9)..(9)
;   OTHER INFORMATION: nucleotide functionalized to incorporate a fluorescein funtionali
;   OTHER INFORMATION: ty
US-10-080-979-74

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy      1332 TGAAGAGGAGGGAGA 1346
             ||||||||| |||||
Db        18 TGAAGAGGATGGAGA 4


RESULT 1148
US-10-080-979-75/c
; Sequence 75, Application US/10080979
; Publication No. US20030191075A1
; GENERAL INFORMATION:
;  APPLICANT: Cook,  Philip Dan
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Bennett, Frank C.
;  TITLE OF INVENTION: Oligonucleotide Conjugates For Hepatic Delivery
;  FILE REFERENCE: Isis-5028
;  CURRENT APPLICATION NUMBER: US/10/080,979
;  CURRENT FILING DATE:  2002-02-22
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 75
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (9)..(9)
;   OTHER INFORMATION: nucleotide functionalized to incorporate a fluorescein functiona
;   OTHER INFORMATION: ity
;   NAME/KEY: misc_feature
;   LOCATION: (18)..(18)
;   OTHER INFORMATION: nucleotide functionalized to incorporate a fluorescein functiona
;   OTHER INFORMATION: ity
US-10-080-979-75

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;
```

```
Qy       1332 TGAAGAGGAGGGAGA 1346
              ||||||||| |||||
Db         18 TGAAGAGGATGGAGA 4


RESULT 1149
US-10-080-979-76/c
; Sequence 76, Application US/10080979
; Publication No. US20030191075A1
; GENERAL INFORMATION:
;  APPLICANT: Cook,  Philip Dan
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Bennett, Frank C.
;  TITLE OF INVENTION: Oligonucleotide Conjugates For Hepatic Delivery
;  FILE REFERENCE: Isis-5028
;  CURRENT APPLICATION NUMBER: US/10/080,979
;  CURRENT FILING DATE:  2002-02-22
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 76
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (9)..(9)
;   OTHER INFORMATION: nucleotide functionalized to incorporate a cholic acid functional
;   OTHER INFORMATION: ity
US-10-080-979-76

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1332 TGAAGAGGAGGGAGA 1346
              ||||||||| |||||
Db         18 TGAAGAGGATGGAGA 4


RESULT 1150
US-10-080-979-77/c
; Sequence 77, Application US/10080979
; Publication No. US20030191075A1
; GENERAL INFORMATION:
;  APPLICANT: Cook,  Philip Dan
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Bennett, Frank C.
;  TITLE OF INVENTION: Oligonucleotide Conjugates For Hepatic Delivery
;  FILE REFERENCE: Isis-5028
;  CURRENT APPLICATION NUMBER: US/10/080,979
;  CURRENT FILING DATE:  2002-02-22
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 77
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (9)..(9)
;   OTHER INFORMATION: nucleotide functionalized to incorporate a cholic acid functional
;   OTHER INFORMATION: ity
;   NAME/KEY: misc_feature
;   LOCATION: (18)..(18)
;   OTHER INFORMATION: nucleotide functionalized to incorporate a cholic acid functional
;   OTHER INFORMATION: ity
US-10-080-979-77

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1332 TGAAGAGGAGGGAGA 1346
              ||||||||| |||||
Db         18 TGAAGAGGATGGAGA 4


RESULT 1151
US-10-080-979-78/c
; Sequence 78, Application US/10080979
; Publication No. US20030191075A1
; GENERAL INFORMATION:
;  APPLICANT: Cook,  Philip Dan
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Bennett, Frank C.
;  TITLE OF INVENTION: Oligonucleotide Conjugates For Hepatic Delivery
;  FILE REFERENCE: Isis-5028
;  CURRENT APPLICATION NUMBER: US/10/080,979
;  CURRENT FILING DATE:  2002-02-22
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 78
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (9)..(9)
;   OTHER INFORMATION: nucleotide functionalized to incorporate a digoxigenin functiona
;   OTHER INFORMATION: ity
US-10-080-979-78

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1332 TGAAGAGGAGGGAGA 1346
              ||||||||| |||||
Db         18 TGAAGAGGATGGAGA 4


RESULT 1152
US-10-148-355A-42
; Sequence 42, Application US/10148355A
; Publication No. US20030207831A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Lex M. Cowsert
;  APPLICANT:  ISIS PHARMACEUTICALS, INC.
;  TITLE OF INVENTION: ANTISENSE MODULATION OF TELOMERIC REPEAT BINDING FACTOR 2
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTSP-0082
;  CURRENT APPLICATION NUMBER: US/10/148,355A
;  CURRENT FILING DATE:  2002-09-30
;  PRIOR APPLICATION NUMBER: 09/467,642
;  PRIOR FILING DATE: 1999-12-17
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 42
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-148-355A-42

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        947 TGCTGATGCTGGGAG 961
              || ||||||||||||
Db          6 TGGTGATGCTGGGAG 20
```

```
ESULT 1153
S-10-188-779A-20/c
 Sequence 20, Application US/10188779A
 Publication No. US20040005567A1
 GENERAL INFORMATION:
  APPLICANT: Nicholas M. Dean
  APPLICANT:  Susan M. Freier
  APPLICANT:  Kenneth W. Dobie
  TITLE OF INVENTION: ANTISENSE MODULATION OF CYCLIN-DEPENDENT KINASE 4 EXPRESSION
  FILE REFERENCE: PTS-0042
  CURRENT APPLICATION NUMBER: US/10/188,779A
  CURRENT FILING DATE:  2002-07-02
  NUMBER OF SEQ ID NOS: 282
 SEQ ID NO 20
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
S-10-188-779A-20

 Query Match              0.6%;  Score 13.4;  DB 1;  Length 20;
 Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y        610 GTGGAAGAGGCCTTC 624
             ||||| |||||||||
b         19 GTGGAGGAGGCCTTC 5


ESULT 1154
S-10-188-779A-173
 Sequence 173, Application US/10188779A
 Publication No. US20040005567A1
 GENERAL INFORMATION:
  APPLICANT: Nicholas M. Dean
  APPLICANT:  Susan M. Freier
  APPLICANT:  Kenneth W. Dobie
  TITLE OF INVENTION: ANTISENSE MODULATION OF CYCLIN-DEPENDENT KINASE 4 EXPRESSION
  FILE REFERENCE: PTS-0042
  CURRENT APPLICATION NUMBER: US/10/188,779A
  CURRENT FILING DATE:  2002-07-02
  NUMBER OF SEQ ID NOS: 282
 SEQ ID NO 173
   LENGTH: 20
   TYPE: DNA
   ORGANISM: H. sapiens
IS-10-188-779A-173

 Query Match              0.6%;  Score 13.4;  DB 1;  Length 20;
 Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y        610 GTGGAAGAGGCCTTC 624
             ||||| |||||||||
b          2 GTGGAGGAGGCCTTC 16


ESULT 1155
IS-10-349-143-4896/c
 Sequence 4896, Application US/10349143
 Publication No. US20040005584A1
 GENERAL INFORMATION:
  APPLICANT: Cohen, Daniel
  APPLICANT:  Blumenfeld, Marta
  APPLICANT:  Chumakov, Ilya
  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
  FILE REFERENCE: GENSET.020CP1
  CURRENT APPLICATION NUMBER: US/10/349,143
  CURRENT FILING DATE:  2003-01-21
  PRIOR APPLICATION NUMBER: US/09/422,978
  PRIOR FILING DATE: 1999-10-20
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
  NUMBER OF SEQ ID NOS: 11796
 SEQ ID NO 4896
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Homo Sapiens
   FEATURE:
   NAME/KEY: primer_bind
   LOCATION: 1..20
   OTHER INFORMATION: upstream amplification primer 99-18536 for SEQ 962,
US-10-349-143-4896

  Query Match              0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1401 GGATGAAAAAGAGAA 1415
              ||||||||||||| ||
Db         20 GGATGAAAAAGAAAA 6


RESULT 1156
US-10-349-143-10868/c
 Sequence 10868, Application US/10349143
 Publication No. US20040005584A1
 GENERAL INFORMATION:
  APPLICANT: Cohen, Daniel
  APPLICANT:  Blumenfeld, Marta
  APPLICANT:  Chumakov, Ilya
  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
  FILE REFERENCE: GENSET.020CP1
  CURRENT APPLICATION NUMBER: US/10/349,143
  CURRENT FILING DATE:  2003-01-21
  PRIOR APPLICATION NUMBER: US/09/422,978
  PRIOR FILING DATE: 1999-10-20
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
  NUMBER OF SEQ ID NOS: 11796
 SEQ ID NO 10868
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Homo Sapiens
   FEATURE:
   NAME/KEY: primer_bind
   LOCATION: 1..20
   OTHER INFORMATION: downstream amplification primer 99-21566 for SEQ 3003, in comple
US-10-349-143-10868

  Query Match              0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1384 AAGAGAGTCAAAACA 1398
              |||| ||||||||||
Db         16 AAGAAAGTCAAAACA 2


RESULT 1157
US-10-289-762-1900/c
 Sequence 1900, Application US/10289762
 Publication No. US20040006218A1
 GENERAL INFORMATION:
  APPLICANT: Griffais, R.
  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment
```

```
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 1900
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-1900

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1034 TCCCTAATGAGCTTC 1048
                ||||  ||||||||||
Db         17 TCCCCAATGAGCTTC 3


RESULT 1158
US-10-289-762-4696
; Sequence 4696, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 4696
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-4696

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1814 TAGTAGCTTTGGAAA 1828
                ||||||||  ||||||
Db          5 TAGTAGCTGTGGAAA 19


RESULT 1159
US-10-289-762-5555
; Sequence 5555, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 5555
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-5555

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        889 CTAACTATCAAAGGA 903
                ||||||||| ||||
Db          6 CTAACTATCACAGGA 20


RESULT 1160
US-10-188-777-45/c
; Sequence 45, Application US/10188777
; Publication No. US20040006220A1
; GENERAL INFORMATION:
;  APPLICANT: Sanjay Bhanot
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF INSULIN-LIKE GROWTH FACTOR 2 EXPRESSION
;  FILE REFERENCE: RTS-0358
;  CURRENT APPLICATION NUMBER: US/10/188,777
;  CURRENT FILING DATE:  2002-07-02
;  NUMBER OF SEQ ID NOS: 140
; SEQ ID NO 45
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-188-777-45

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1099 AGTCCTTCCAATATG 1113
                |||  ||||||||||
Db         15 AGTTCTTCCAATATG 1


RESULT 1161
US-10-447-136-28/c
; Sequence 28, Application US/10447136
; Publication No. US20040009948A1
; GENERAL INFORMATION:
;  APPLICANT: WRIGHT, Jim A.
;  APPLICANT:  YOUNG, Aiping H.
;  TITLE OF INVENTION: Antitumor Antisense Sequences Directed Against R1 and
;  TITLE OF INVENTION:  R2 Components of Ribonucleotide Reductase
;  FILE REFERENCE: 032396-023
;  CURRENT APPLICATION NUMBER: US/10/447,136
;  CURRENT FILING DATE:  2003-05-29
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/249,247
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-02-11
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/023,040
;  PRIOR FILING DATE: EARLIER FILING DATE: 1996-08-02
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/039,959
;  PRIOR FILING DATE: EARLIER FILING DATE: 1997-03-07
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 08/904,901
;  PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-01
;  NUMBER OF SEQ ID NOS: 220
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Human
US-10-447-136-28

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1682 GCTCTTCCAGGAGCC 1696
                |  ||||||||||||
Db         20 GATCTTCCAGGAGCC 6


RESULT 1162
US-10-280-183A-625
; Sequence 625, Application US/10280183A
```

```
 Publication No. US20040081964A1
 GENERAL INFORMATION:
  APPLICANT: Pfizer Inc.
  APPLICANT:  Bachmanov, Alexander A
  APPLICANT:  Beauchamp, Gary K.
  APPLICANT:  Chatterjee, Aurobindo
  APPLICANT:  De  Jong, Pieter J.
  APPLICANT:  Li, Shanru
  APPLICANT:  Li, Xia
  APPLICANT:  Ohmen, Jeffrey D
  APPLICANT:  Reed, Danielle R.
  APPLICANT:  Ross, David
  APPLICANT:  Tordoff, Michael G.
  TITLE OF INVENTION: GENE AND SEQUENCE VARIATION ASSOCIATED WITH SENSING
  TITLE OF INVENTION:  CARBOHYDRATE COMPOUNDS AND OTHER SWEETNERS
  FILE REFERENCE: PC18306A
  CURRENT APPLICATION NUMBER: US/10/280,183A
  CURRENT FILING DATE:  2002-10-25
  PRIOR APPLICATION NUMBER: 60/200,794
  PRIOR FILING DATE: 2000-04-28
  NUMBER OF SEQ ID NOS: 652
  SOFTWARE: PatentIn Ver. 3.1
 SEQ ID NO 625
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Mouse
'S-10-280-183A-625

 Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
 Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

'y       1516 GACCTCTCCAGCTCT 1530
              ||| ||||||||||||
)b          4 GACTTCTCCAGCTCT 18


:ESULT 1163
)S-10-298-994-82/c
; Sequence 82, Application US/10298994
; Publication No. US20040097446A1
; GENERAL INFORMATION:
;  APPLICANT: William Gaarde
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Kenneth W. Dobie
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: MODULATION OF CHECKPOINT KINASE 1 EXPRESSION
;  FILE REFERENCE: HTS-0006
;  CURRENT APPLICATION NUMBER: US/10/298,994
;  CURRENT FILING DATE:  2002-11-16
;  NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 82
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
)S-10-298-994-82

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

)y       1752 TGGGTGAAAGGGATA 1766
              ||| ||||||||||||
)b         19 TGGATGAAAGGGATA 5


RESULT 1164
US-10-298-994-189
; Sequence 189, Application US/10298994
; Publication No. US20040097446A1
; GENERAL INFORMATION:
;  APPLICANT: William Gaarde
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Kenneth W. Dobie
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: MODULATION OF CHECKPOINT KINASE 1 EXPRESSION
;  FILE REFERENCE: HTS-0006
;  CURRENT APPLICATION NUMBER: US/10/298,994
;  CURRENT FILING DATE:  2002-11-16
;  NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 189
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: M. musculus
;   FEATURE:
US-10-298-994-189

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1752 TGGGTGAAAGGGATA 1766
              ||| ||||||||||||
Db          2 TGGATGAAAGGGATA 16


RESULT 1165
US-10-303-326-34/c
; Sequence 34, Application US/10303326
; Publication No. US20040101849A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Nicholas M. Dean
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF SELENOPROTEIN W EXPRESSION
;  FILE REFERENCE: HTS-0033
;  CURRENT APPLICATION NUMBER: US/10/303,326
;  CURRENT FILING DATE:  2002-11-21
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 34
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-303-326-34

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1379 AAGCCAAGAGAGTCA 1393
              |||||||||||| ||
Db         18 AAGCCAAGAGAGGCA 4


RESULT 1166
US-10-304-113-22/c
; Sequence 22, Application US/10304113
; Publication No. US20040102623A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF PAK1 EXPRESSION
;  FILE REFERENCE: RTS-0415
;  CURRENT APPLICATION NUMBER: US/10/304,113
;  CURRENT FILING DATE:  2002-11-23
;  NUMBER OF SEQ ID NOS: 167
; SEQ ID NO 22
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
```

US-10-304-113-22

Query Match 0.6%; Score 13.4; DB 1; Length 20;
Best Local Similarity 93.3%; Pred. No. 8.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy       1416 AGACCCAGAGGAGAA 1430
              | ||||||||||||||
Db         15 AAACCCAGAGGAGAA 1
```

RESULT 1167
US-10-304-113-100
; Sequence 100, Application US/10304113
; Publication No. US20040102623A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: MODULATION OF PAK1 EXPRESSION
; FILE REFERENCE: RTS-0415
; CURRENT APPLICATION NUMBER: US/10/304,113
; CURRENT FILING DATE: 2002-11-23
; NUMBER OF SEQ ID NOS: 167
; SEQ ID NO 100
; LENGTH: 20
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
US-10-304-113-100

Query Match 0.6%; Score 13.4; DB 1; Length 20;
Best Local Similarity 93.3%; Pred. No. 8.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy       1416 AGACCCAGAGGAGAA 1430
              | ||||||||||||||
Db          6 AAACCCAGAGGAGAA 20
```

RESULT 1168
US-10-304-125-14
; Sequence 14, Application US/10304125
; Publication No. US20040102405A1
; GENERAL INFORMATION:
; APPLICANT: Susan M. Freier
; APPLICANT: C. Frank Bennett
; APPLICANT: Nicholas M. Dean
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: MODULATION OF SQUALENE SYNTHASE EXPRESSION
; FILE REFERENCE: PTS-0056
; CURRENT APPLICATION NUMBER: US/10/304,125
; CURRENT FILING DATE: 2002-11-23
; NUMBER OF SEQ ID NOS: 145
; SEQ ID NO 14
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-304-125-14

Query Match 0.6%; Score 13.4; DB 1; Length 20;
Best Local Similarity 93.3%; Pred. No. 8.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy       1655 CGAGCTCAGGGCAGC 1669
              | ||||||||||||||
Db          2 CCAGCTCAGGGCAGC 16
```

RESULT 1169
US-10-304-125-86/c
; Sequence 86, Application US/10304125
; Publication No. US20040102405A1
; GENERAL INFORMATION:
; APPLICANT: Susan M. Freier
; APPLICANT: C. Frank Bennett
; APPLICANT: Nicholas M. Dean
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: MODULATION OF SQUALENE SYNTHASE EXPRESSION
; FILE REFERENCE: PTS-0056
; CURRENT APPLICATION NUMBER: US/10/304,125
; CURRENT FILING DATE: 2002-11-23
; NUMBER OF SEQ ID NOS: 145
; SEQ ID NO 86
; LENGTH: 20
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
US-10-304-125-86

Query Match 0.6%; Score 13.4; DB 1; Length 20;
Best Local Similarity 93.3%; Pred. No. 8.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy       1655 CGAGCTCAGGGCAGC 1669
              | ||||||||||||||
Db         19 CCAGCTCAGGGCAGC 5
```

RESULT 1170
US-10-648-593-276
; Sequence 276, Application US/10648593
; Publication No. US20040106132A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: IDENTIFICATION OF GENES FOR PREDICTING ACTIVITY OF COMPOUNDS THA
; TITLE OF INVENTION: INTERACT WITH AND/OR MODULATE PROTEIN TYROSINE KINASES AND/OR
; TITLE OF INVENTION: PROTEIN TYROSINE KINASE PATHWAYS IN BREAST CELLS
; FILE REFERENCE: D0273 NP
; CURRENT APPLICATION NUMBER: US/10/648,593
; CURRENT FILING DATE: 2003-08-26
; PRIOR APPLICATION NUMBER: 60/406,385
; PRIOR FILING DATE: 2002-08-27
; NUMBER OF SEQ ID NOS: 557
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 276
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-648-593-276

Query Match 0.6%; Score 13.4; DB 1; Length 20;
Best Local Similarity 93.3%; Pred. No. 8.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy       1865 GTCTTCAAGGATCTC 1879
              | ||||||||||||||
Db          4 GCCTTCAAGGATCTC 18
```

RESULT 1171
US-10-316-755-103
; Sequence 103, Application US/10316755
; Publication No. US20040110152A1
; GENERAL INFORMATION:
; APPLICANT: Brenda F. Baker
; APPLICANT: Lex M. Cowsert
; TITLE OF INVENTION: MODULATION OF MATRIX METALLOPROTEINASE 11 EXPRESSION
; FILE REFERENCE: RTS-0381
; CURRENT APPLICATION NUMBER: US/10/316,755
; CURRENT FILING DATE: 2002-12-10
; NUMBER OF SEQ ID NOS: 277
; SEQ ID NO 103
; LENGTH: 20
; TYPE: DNA

```
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
JS-10-316-755-103

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1986 GTCTGTCTTCTCCTA 2000
              ||||||||||||| |
Db          3 GTCTGTCTTCTCCCA 17


RESULT 1172
JS-10-316-755-234/c
; Sequence 234, Application US/10316755
; Publication No. US20040110152A1
; GENERAL INFORMATION:
;  APPLICANT: Brenda F. Baker
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION: MODULATION OF MATRIX METALLOPROTEINASE 11 EXPRESSION
;  FILE REFERENCE: RTS-0381
;  CURRENT APPLICATION NUMBER: US/10/316,755
;  CURRENT FILING DATE:  2002-12-10
;  NUMBER OF SEQ ID NOS: 277
; SEQ ID NO 234
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: R. norvegicus
;   FEATURE:
JS-10-316-755-234

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1986 GTCTGTCTTCTCCTA 2000
              ||||||||||||| |
Db         18 GTCTGTCTTCTCCCA 4


RESULT 1173
US-10-317-273-68
; Sequence 68, Application US/10317273
; Publication No. US20040110158A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  APPLICANT:  Tamara Balac Sipes
;  TITLE OF INVENTION: MODULATION OF MITOCHONDRIAL RIBOSOMAL PROTEIN L13 EXPRESSION
;  FILE REFERENCE: RTS-0478
;  CURRENT APPLICATION NUMBER: US/10/317,273
;  CURRENT FILING DATE:  2002-12-10
;  NUMBER OF SEQ ID NOS: 159
; SEQ ID NO 68
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-317-273-68

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2001 ATTCTGCAGGTGGAG 2015
              ||||| |||||||||
Db          4 ATTCTTCAGGTGGAG 18


RESULT 1174
US-10-317-280-6/c
; Sequence 6, Application US/10317280
; Publication No. US20040110160A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  APPLICANT:  Tamara Balac Sipes
;  TITLE OF INVENTION: MODULATION OF SEDL EXPRESSION
;  FILE REFERENCE: RTS-0459
;  CURRENT APPLICATION NUMBER: US/10/317,280
;  CURRENT FILING DATE:  2002-12-10
;  NUMBER OF SEQ ID NOS: 157
; SEQ ID NO 6
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: PCR Primer
US-10-317-280-6

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        994 TGCAGGACATATGAG 1008
              ||| ||||||||||||
Db         16 TGCGGGACATATGAG 2


RESULT 1175
US-10-317-280-30/c
; Sequence 30, Application US/10317280
; Publication No. US20040110160A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  APPLICANT:  Tamara Balac Sipes
;  TITLE OF INVENTION: MODULATION OF SEDL EXPRESSION
;  FILE REFERENCE: RTS-0459
;  CURRENT APPLICATION NUMBER: US/10/317,280
;  CURRENT FILING DATE:  2002-12-10
;  NUMBER OF SEQ ID NOS: 157
; SEQ ID NO 30
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-317-280-30

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 8.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        994 TGCAGGACATATGAG 1008
              ||| ||||||||||||
Db         15 TGCGGGACATATGAG 1


RESULT 1176
US-10-317-280-106
; Sequence 106, Application US/10317280
; Publication No. US20040110160A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  APPLICANT:  Tamara Balac Sipes
;  TITLE OF INVENTION: MODULATION OF SEDL EXPRESSION
;  FILE REFERENCE: RTS-0459
;  CURRENT APPLICATION NUMBER: US/10/317,280
;  CURRENT FILING DATE:  2002-12-10
;  NUMBER OF SEQ ID NOS: 157
; SEQ ID NO 106
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
```

US-10-317-280-106

Query Match 0.6%; Score 13.4; DB 1; Length 20;
Best Local Similarity 93.3%; Pred. No. 8.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy        994 TGCAGGACATATGAG 1008
              ||| ||||||||||||
Db          6 TGCGGGACATATGAG 20
```

RESULT 1177
US-10-319-908-68/c
; Sequence 68, Application US/10319908
; Publication No. US20040115650A1
; GENERAL INFORMATION:
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Ravi Jain
; TITLE OF INVENTION: MODULATION OF MAD1-LIKE 1 EXPRESSION
; FILE REFERENCE: RTS-0455
; CURRENT APPLICATION NUMBER: US/10/319,908
; CURRENT FILING DATE: 2002-12-12
; NUMBER OF SEQ ID NOS: 140
; SEQ ID NO 68
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-319-908-68

Query Match 0.6%; Score 13.4; DB 1; Length 20;
Best Local Similarity 93.3%; Pred. No. 8.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy       1528 TCTGGCTTCCTGCTG 1542
              || ||||||||||||
Db         16 TCGGGCTTCCTGCTG 2
```

RESULT 1178
US-10-181-174B-52/c
; Sequence 52, Application US/10181174B
; Publication No. US20040132674A1
; GENERAL INFORMATION:
; APPLICANT: RESKE-KUNZ, A.B.
; APPLICANT: ROSS, XIAOLAN
; APPLICANT: ROSS, RALF
; APPLICANT: BROS, MATTHIAS
; TITLE OF INVENTION: A REGULATORY SEQUENCE FOR SPECIFIC EXPRESSION IN
; TITLE OF INVENTION: DENDRITIC CELLS AND USES THEREOF
; FILE REFERENCE: VOS-38
; CURRENT APPLICATION NUMBER: US/10/181,174B
; CURRENT FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: P 100 01 169.1
; PRIOR FILING DATE: 2000-01-13
; PRIOR APPLICATION NUMBER: P 100 10 188.7
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 52
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: primer
US-10-181-174B-52

Query Match 0.6%; Score 13.4; DB 1; Length 20;
Best Local Similarity 93.3%; Pred. No. 8.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy       1334 AAGAGGAGGGAGAGG 1348
              | ||||||||||||||
Db         19 AGGAGGAGGGAGAGG 5
```

RESULT 1179
US-10-671-395-166
; Sequence 166, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
; APPLICANT: Pharmacia Corp.
; APPLICANT: Gierse, James K
; TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
; TITLE OF INVENTION: EXPRESSION
; FILE REFERENCE: 1179/1/US
; CURRENT APPLICATION NUMBER: US/10/671,395
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/413,549
; PRIOR FILING DATE: 2002-09-25
; NUMBER OF SEQ ID NOS: 1809
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 166
; LENGTH: 20
; TYPE: DNA
; ORGANISM: artificial
; FEATURE:
; OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-166

Query Match 0.6%; Score 13.4; DB 1; Length 20;
Best Local Similarity 93.3%; Pred. No. 8.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy        706 GGGGCTGGCAAAGGC 720
              |||| ||||||||||
Db          1 GGGGTTGGCAAAGGC 15
```

RESULT 1180
US-10-671-395-1217
; Sequence 1217, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
; APPLICANT: Pharmacia Corp.
; APPLICANT: Gierse, James K
; TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
; TITLE OF INVENTION: EXPRESSION
; FILE REFERENCE: 1179/1/US
; CURRENT APPLICATION NUMBER: US/10/671,395
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/413,549
; PRIOR FILING DATE: 2002-09-25
; NUMBER OF SEQ ID NOS: 1809
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1217
; LENGTH: 20
; TYPE: DNA
; ORGANISM: artificial
; FEATURE:
; OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-1217

Query Match 0.6%; Score 13.4; DB 1; Length 20;
Best Local Similarity 93.3%; Pred. No. 8.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy        704 TCGGGGCTGGCAAAG 718
              |||||| ||||||||
Db          6 TCGGGGTTGGCAAAG 20
```

RESULT 1181
US-10-671-395-1578/c

Sequence 1578, Application US/10671395
Publication No. US20040132063A1
GENERAL INFORMATION:
APPLICANT: Pharmacia Corp.
APPLICANT: Gierse, James K
TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: 1179/1/US
CURRENT APPLICATION NUMBER: US/10/671,395
CURRENT FILING DATE: 2003-09-25
PRIOR APPLICATION NUMBER: 60/413,549
PRIOR FILING DATE: 2002-09-25
NUMBER OF SEQ ID NOS: 1809
SOFTWARE: PatentIn version 3.2
SEQ ID NO 1578
LENGTH: 20
TYPE: DNA
ORGANISM: artificial
FEATURE:
OTHER INFORMATION: Human PGE2 antisense
JS-10-671-395-1578

Query Match 0.6%; Score 13.4; DB 1; Length 20;
Best Local Similarity 93.3%; Pred. No. 8.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1951 GCCTCAAGTGAGCCA 1965
||||||||||| |||
Db 20 GCCTCAAGTGATCCA 6

RESULT 1182
JS-10-780-439-2/c
Sequence 2, Application US/10780439
Publication No. US20040142899A1
GENERAL INFORMATION:
APPLICANT: Cook, Phillip D.
Manoharan, Muthiah
Bennett, C. Frank
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
ENHANCED BIOSTABILITY AND ALTERED BIODISTRIBUTION OF
OLIGONUCLEOTIDES IN MAMMALS
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cozen O'Connor
STREET: 1900 Market Street
CITY: Philadelphia
STATE: PA
COUNTRY: U.S.A.
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/780,439
FILING DATE: 17-Feb-2004
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Nguyen, Quan L.
REGISTRATION NUMBER: 46,957
REFERENCE/DOCKET NUMBER: ISIC0006-102
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-665-2000
TELEFAX: 215-665-2013
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-780-439-2

Query Match 0.6%; Score 13.4; DB 1; Length 20;
Best Local Similarity 93.3%; Pred. No. 8.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1332 TGAAGAGGAGGGAGA 1346
||||||||| |||||
Db 18 TGAAGAGGATGGAGA 4

RESULT 1183
US-10-109-349A-55/c
Sequence 55, Application US/10109349A
Publication No. US20030186246A1
GENERAL INFORMATION:
APPLICANT: Medical College of Ohio
APPLICANT: Willey, James C.
APPLICANT: Crawford, Erin L.
TITLE OF INVENTION: MULTIPLEX STANDARDIZED REVERSE TRANSCRIPTASE-POLYMERASE CHAIN RE
TITLE OF INVENTION: METHOD FOR ASSESSMENT OF GENE EXPRESSION IN SMALL BIOLOGICAL SA
FILE REFERENCE: 01154/2001-203
CURRENT APPLICATION NUMBER: US/10/109,349A
CURRENT FILING DATE: 2002-06-12
NUMBER OF SEQ ID NOS: 282
SOFTWARE: PatentIn version 3.1
SEQ ID NO 55
LENGTH: 24
TYPE: DNA
ORGANISM: Homo sapiens
US-10-109-349A-55

Query Match 0.6%; Score 13.4; DB 1; Length 24;
Best Local Similarity 73.9%; Pred. No. 1.1e+03;
Matches 17; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 525 TGATATCGTCTTGGCCATCCTGG 547
|||||| || ||| | || |||
Db 23 TGATATTCTCCTGGTCCTCTTGG 1

RESULT 1184
US-09-875-338-67/c
Sequence 67, Application US/09875338
Patent No. US20020095024A1
GENERAL INFORMATION:
APPLICANT: MIKESELL, GLEN E.
APPLICANT: CHANG, HAN
APPLICANT: FINGER, JOSHUA N.
APPLICANT: YANG, GUCHEN
APPLICANT: LU, PIN
APPLICANT: ZHOU, XIA-DI
APPLICANT: PEACH, ROBERT
TITLE OF INVENTION: B7-RELATED NUCLEIC ACIDS AND POLYPEPTIDES USEFUL FOR
TITLE OF INVENTION: IMMUNOMODULATION
FILE REFERENCE: 3053-4071US2
CURRENT APPLICATION NUMBER: US/09/875,338
CURRENT FILING DATE: 2001-06-06
PRIOR APPLICATION NUMBER: 60/272,107
PRIOR FILING DATE: 2001-02-28
PRIOR APPLICATION NUMBER: 60/209,811
PRIOR FILING DATE: 2000-06-06
NUMBER OF SEQ ID NOS: 94
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 67
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-875-338-67

Query Match 0.6%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 8.1e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy        607 GGCGTGGAAGAGGCCTTC 624
              | | ||| ||||||||||
Db         18 GACCTGGTAGAGGCCTTC 1
```

RESULT 1185
US-09-969-373-4070
; Sequence 4070, Application US/09969373
; Patent No. US20020133852A1
; GENERAL INFORMATION:
; APPLICANT: Effertz, Roger J.
; APPLICANT: Hauge, Brian M.
; TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
; FILE REFERENCE: 38-10(52679)A
; CURRENT APPLICATION NUMBER: US/09/969,373
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US 09/754,853
; PRIOR FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: US 09/760,427
; PRIOR FILING DATE: 2001-01-13
; PRIOR APPLICATION NUMBER: US 09/855,768
; PRIOR FILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 4593
; SEQ ID NO 4070
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Glycine max
US-09-969-373-4070

Query Match 0.6%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 8.1e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1413 GAAAGACCCAGAGGAGAA 1430
              | ||||  ||||||||||
Db          1 GGAAGAGGCAGAGGAGAA 18
```

RESULT 1186
US-09-864-636A-378
; Sequence 378, Application US/09864636A
; Publication No. US20030104378A1
; GENERAL INFORMATION:
; APPLICANT: Third Wave Technologies
; APPLICANT: Allwai, Hatim
; APPLICANT: Bartholomay, Christian
; APPLICANT: Chehak, LuAnne
; TITLE OF INVENTION: Detection of RNA Sequences
; FILE REFERENCE: FORS-04944
; CURRENT APPLICATION NUMBER: US/09/864,636A
; CURRENT FILING DATE: 2002-10-15
; NUMBER OF SEQ ID NOS: 2640
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 378
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-864-636A-378

Query Match 0.6%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 8.1e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy        148 CCAATGAAGCCTCACCGA 165
              || ||| |||||| ||||
Db          1 CCGATGGAGCCTCTCCGA 18
```

RESULT 1187
US-09-882-945A-64/c
; Sequence 64, Application US/09882945A
; Publication No. US20030143535A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/09/882,945A
; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 64
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-882-945A-64

Query Match 0.6%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 8.1e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1846 TTCTAGAAGGGGTGGCTG 1863
              | | |||||||| |||||
Db         18 TCCAAGAAGGGGAGGCTG 1
```

RESULT 1188
US-09-943-944E-100/c
; Sequence 100, Application US/09943944E
; Publication No. US20040014036A1
; GENERAL INFORMATION:
; APPLICANT: Ptashne, et al.,
; TITLE OF INVENTION: Transcriptional Activation System, Activators, and Uses
; TITLE OF INVENTION: Therefor
; FILE REFERENCE: 0342941-0065
; CURRENT APPLICATION NUMBER: US/09/943,944E
; CURRENT FILING DATE: 2001-08-31
; NUMBER OF SEQ ID NOS: 238
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 100
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Random
; OTHER INFORMATION: nucleotide sequences.
US-09-943-944E-100

Query Match 0.6%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 8.1e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy         45 GGGACGGGAGGCGAGCAA 62
              |||| |||||| ||| ||
Db         18 GGGAAGGGAGGGGAGGAA 1
```

RESULT 1189
US-09-943-944E-125/c
; Sequence 125, Application US/09943944E
; Publication No. US20040014036A1
; GENERAL INFORMATION:
; APPLICANT: Ptashne, et al.,
; TITLE OF INVENTION: Transcriptional Activation System, Activators, and Uses
; TITLE OF INVENTION: Therefor

FILE REFERENCE: 0342941-0065
CURRENT APPLICATION NUMBER: US/09/943,944E
CURRENT FILING DATE: 2001-08-31
NUMBER OF SEQ ID NOS: 238
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 125
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:Random
OTHER INFORMATION: nucleotide sequences.
US-09-943-944E-125

Query Match 0.6%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 8.1e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 442 CAGCAGACGGACATCGCT 459
||||||| ||| |||| |
Db 18 CAGCAGAAGGAAATCGGT 1

RESULT 1190
US-09-864-426A-378
Sequence 378, Application US/09864426A
Publication No. US20040018489A1
GENERAL INFORMATION:
APPLICANT: Third Wave Technologies
APPLICANT: Ma, Wu Po
APPLICANT: Lyamichev, Victor
APPLICANT: Saiser , Michael
TITLE OF INVENTION: Enzymes for the Detection of RNA Sequences
FILE REFERENCE: FORS-04946
CURRENT APPLICATION NUMBER: US/09/864,426A
CURRENT FILING DATE: 2001-05-24
NUMBER OF SEQ ID NOS: 2640
SOFTWARE: PatentIn version 3.0
SEQ ID NO 378
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic
US-09-864-426A-378

Query Match 0.6%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 8.1e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 148 CCAATGAAGCCTCACCGA 165
|| ||| |||||| ||||
Db 1 CCGATGGAGCCTCTCCGA 18

RESULT 1191
US-09-940-227-34
; Sequence 34, Application US/09940227
; Publication No. US20030017468A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Sei Yu
; APPLICANT: Macina, Roberto
; APPLICANT: Sun, Yongming
; APPLICANT: Recipon, Herve
; TITLE OF INVENTION: Compositions and Methods Relating to Lung Specific
; TITLE OF INVENTION: Genes
; FILE REFERENCE: DEX-0230
; CURRENT APPLICATION NUMBER: US/09/940,227
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,378
; PRIOR FILING DATE: 2000-08-28
; NUMBER OF SEQ ID NOS: 84
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 34
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-940-227-34

Query Match 0.6%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 8.1e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1942 TTCCCACTGGCCTCAAGT 1959
| |||| || ||||||||
Db 1 TCCCCATTGCCCTCAAGT 18

RESULT 1192
US-09-861-925-34/c
; Sequence 34, Application US/09861925
; Publication No. US20030064426A1
; GENERAL INFORMATION:
; APPLICANT: Roninson, Igor
; APPLICANT: Chang, Bey-Dih
; TITLE OF INVENTION: REAGENTS AND METHODS FOR IDENTIFYING AND MODULATING EXPRESSION O
; TITLE OF INVENTION: REGULATED BY CDK INHIBITORS
; FILE REFERENCE: 99,216-F
; CURRENT APPLICATION NUMBER: US/09/861,925
; CURRENT FILING DATE: 2001-05-21
; PRIOR APPLICATION NUMBER: US 60/
; PRIOR FILING DATE: 2001-02-01
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 34
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Antisense primer for integrin B3 promoter
US-09-861-925-34

Query Match 0.6%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 8.1e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1660 TCAGGGCAGCTGTGCTGG 1677
|| |||| ||||||||
Db 18 TCTGGGCGACTGTGCTGG 1

RESULT 1193
US-10-239-595-7/c
; Sequence 7, Application US/10239595
; Publication No. US20030211612A1
; GENERAL INFORMATION:
; APPLICANT: Seidman, Michael M
; APPLICANT: Majumdar, Alokes
; TITLE OF INVENTION: ESTABLISHMENT OF CELLULAR MANIPULATIONS WHICH ENHANCE OLIGO-MEDI
; TITLE OF INVENTION: TARGETING
; FILE REFERENCE: 4239-63915
; CURRENT APPLICATION NUMBER: US/10/239,595
; CURRENT FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: PCT/US01/09218
; PRIOR FILING DATE: 2001-03-22
; PRIOR APPLICATION NUMBER: US 60/191,996
; PRIOR FILING DATE: 2000-03-24
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence

```
;   FEATURE:
;   OTHER INFORMATION: Synthetic
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(2)
;   OTHER INFORMATION: The residue between C at position 1 and T at position 2 is pyrene
US-10-239-595-7

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 8.1e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1400 AGGATGAAAAAGAGAAAG 1417
              || |  ||||||||||||
Db         18 AGAAGAAAAAAGAGAAAG 1


RESULT 1194
US-10-077-023-67/c
; Sequence 67, Application US/10077023
; Publication No. US20030031675A1
; GENERAL INFORMATION:
;  APPLICANT: MIKESELL, GLEN E.
;  APPLICANT:  CHANG, HAN
;  APPLICANT:  FINGER, JOSHUA N.
;  APPLICANT:  YANG, GUCHEN
;  APPLICANT:  LU, PIN
;  APPLICANT:  ZHOU, XIA-DI
;  APPLICANT:  PEACH, ROBERT
;  TITLE OF INVENTION: B7-RELATED NUCLEIC ACIDS AND POLYPEPTIDES USEFUL FOR
;  TITLE OF INVENTION:  IMMUNOMODULATION
;  FILE REFERENCE: 3053-4071US3
;  CURRENT APPLICATION NUMBER: US/10/077,023
;  CURRENT FILING DATE:  2002-02-15
;  PRIOR APPLICATION NUMBER: 60/272,107
;  PRIOR FILING DATE: 2001-02-28
;  PRIOR APPLICATION NUMBER: 60/209,811
;  PRIOR FILING DATE: 2000-06-06
;  NUMBER OF SEQ ID NOS: 138
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 67
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-077-023-67

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 8.1e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        607 GGCGTGGAAGAGGCCTTC 624
              | | ||| ||||||||||
Db         18 GACCTGGTAGAGGCCTTC 1


RESULT 1195
US-10-005-956-1124/c
; Sequence 1124, Application US/10005956
; Publication No. US20030113726A1
; GENERAL INFORMATION:
;  APPLICANT: Bristol-Myers Squibb Company
;  TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
;  FILE REFERENCE: D0053NP
;  CURRENT APPLICATION NUMBER: US/10/005,956
;  CURRENT FILING DATE:  2001-12-03
;  PRIOR APPLICATION NUMBER: 60/251,015
;  PRIOR FILING DATE: 2000-12-04
;  PRIOR APPLICATION NUMBER: 60/263,678
;  PRIOR FILING DATE: 2001-01-23
;  PRIOR APPLICATION NUMBER: 60/273,037
;  PRIOR FILING DATE: 2001-03-02
;  NUMBER OF SEQ ID NOS: 1579
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1124
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-005-956-1124

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 8.1e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1010 CAGCTGTGGCCCTGGATA 1027
              | |||||||| | ||||
Db         18 CGGCTGTGGCCTTTGATA 1


RESULT 1196
US-10-005-956-1218
; Sequence 1218, Application US/10005956
; Publication No. US20030113726A1
; GENERAL INFORMATION:
;  APPLICANT: Bristol-Myers Squibb Company
;  TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
;  FILE REFERENCE: D0053NP
;  CURRENT APPLICATION NUMBER: US/10/005,956
;  CURRENT FILING DATE:  2001-12-03
;  PRIOR APPLICATION NUMBER: 60/251,015
;  PRIOR FILING DATE: 2000-12-04
;  PRIOR APPLICATION NUMBER: 60/263,678
;  PRIOR FILING DATE: 2001-01-23
;  PRIOR APPLICATION NUMBER: 60/273,037
;  PRIOR FILING DATE: 2001-03-02
;  NUMBER OF SEQ ID NOS: 1579
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1218
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-005-956-1218

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 8.1e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1457 CCAAGGAGGAGAAGCCAG 1474
              || | |||||| ||||||
Db         1 CCCACGAGGAGGAGCCAG 18


RESULT 1197
US-10-233-032A-34/c
; Sequence 34, Application US/10233032A
; Publication No. US20030157704A1
; GENERAL INFORMATION:
;  APPLICANT: Poole, Jason
;  APPLICANT:  Roninson, Igor
;  APPLICANT:  Chang, Bey-Dih
;  TITLE OF INVENTION: REAGENTS AND METHODS FOR IDENTIFYING AND MODULATING
;  TITLE OF INVENTION:  EXPRESSION OF GENES REGULATED BY CDK INHIBITORS
;  FILE REFERENCE: 01-1156-A
;  CURRENT APPLICATION NUMBER: US/10/233,032A
;  CURRENT FILING DATE:  2003-02-12
;  PRIOR APPLICATION NUMBER: US 09/861,925
;  PRIOR FILING DATE: 2002-05-21
;  PRIOR APPLICATION NUMBER: US 60/265,840
;  PRIOR FILING DATE: 2002-02-01
;  NUMBER OF SEQ ID NOS: 84
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 34
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo sapiens
```

FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: Antisense primer for integrin B3 promoter
US-10-233-032A-34

Query Match 0.6%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 8.1e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1660 TCAGGGCAGCTGTGCTGG 1677
|| |||| |||||||||
Db 18 TCTGGGCGACTGTGCTGG 1

RESULT 1198
US-10-084-839-378
; Sequence 378, Application US/10084839
; Publication No. US20030186238A1
; GENERAL INFORMATION:
; APPLICANT: Third Wave Technologies
; APPLICANT: Allawi, Hatim
; APPLICANT: Argue, Brad T.
; APPLICANT: Bartholomay, Christian T.
; APPLICANT: Chehak, LuAnne
; APPLICANT: Curtis, Michelle L.
; APPLICANT: Eis, Peggy S.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Ip, Hon S.
; APPLICANT: Ji, Lin
; APPLICANT: Kaiser, Michael
; APPLICANT: Kwiatkowski, Jr., Robert W.
; APPLICANT: Lukowiak, Andrew A.
; APPLICANT: Lyamichev, Victor
; APPLICANT: Lymaicheva, Natalie E.
; APPLICANT: Ma, WuPo
; APPLICANT: Neri, Bruce P.
; APPLICANT: Olson, Sarah M.
; APPLICANT: Olson-Munoz, Marilyn C.
; APPLICANT: Schaefer, James J.
; APPLICANT: Skrzypczynski, Zbigniew
; APPLICANT: Takova, Tsetska Y.
; APPLICANT: Thompson, Lisa C.
; APPLICANT: Vedvik, Kevin L.
; TITLE OF INVENTION: RNA Detection Assays
; FILE REFERENCE: FORS-06666
; CURRENT APPLICATION NUMBER: US/10/084,839
; CURRENT FILING DATE: 2002-02-26
; NUMBER OF SEQ ID NOS: 4004
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 378
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-084-839-378

Query Match 0.6%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 8.1e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 148 CCAATGAAGCCTCACCGA 165
|| ||| |||||| ||||
Db 1 CCGATGGAGCCTCTCCGA 18

RESULT 1199
US-10-109-349A-107/c
; Sequence 107, Application US/10109349A
; Publication No. US20030186246A1
; GENERAL INFORMATION:
; APPLICANT: Medical College of Ohio
; APPLICANT: Willey, James C.
; APPLICANT: Crawford, Erin L.
; TITLE OF INVENTION: MULTIPLEX STANDARDIZED REVERSE TRANSCRIPTASE-POLYMERASE CHAIN RE
; TITLE OF INVENTION: METHOD FOR ASSESSMENT OF GENE EXPRESSION IN SMALL BIOLOGICAL SA
; FILE REFERENCE: 01154/2001-203
; CURRENT APPLICATION NUMBER: US/10/109,349A
; CURRENT FILING DATE: 2002-06-12
; NUMBER OF SEQ ID NOS: 282
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 107
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-109-349A-107

Query Match 0.6%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 8.1e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 897 CAAAGGACACGCCAAGTG 914
||||||| || || ||||
Db 18 CAAAGGAAACCCCCAGTG 1

RESULT 1200
US-10-091-281-339
; Sequence 339, Application US/10091281
; Publication No. US20030190617A1
; GENERAL INFORMATION:
; APPLICANT: RAYMOND, VINCENT
; APPLICANT: SI, ERWIN
; APPLICANT: MORISETTE, JEAN
; TITLE OF INVENTION: OPTINEURIN NUCLEIC ACID MOLECULES AND USES THEREOF
; FILE REFERENCE: 13587.338
; CURRENT APPLICATION NUMBER: US/10/091,281
; CURRENT FILING DATE: 2002-03-06
; NUMBER OF SEQ ID NOS: 463
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 339
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Putative PAX1/PAX1.01 motif
US-10-091-281-339

Query Match 0.6%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 8.1e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1586 CTATTTCTCTGTGTATTT 1603
| |||||||| ||||| |
Db 1 CCATTTCTCTCTGTATAT 18

RESULT 1201
US-10-297-068-171
; Sequence 171, Application US/10297068
; Publication No. US20030228585A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: KAGIYA, Taeko
; APPLICANT: ICHIHARA, Tatsuo
; APPLICANT: Matsumura, Yoshiyuki
; APPLICANT: MORIYA, Shogo
; APPLICANT: NISHIDA, Michio
; TITLE OF INVENTION: KIT AND METHOD FOR DETERMINING HLA TYPES
; FILE REFERENCE: 1314OP1174
; CURRENT APPLICATION NUMBER: US/10/297,068
; CURRENT FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: JP 2000-164798
; PRIOR FILING DATE: 2000-06-01
; NUMBER OF SEQ ID NOS: 1298
; SOFTWARE: PatentIn Ver. 2.1

```
; SEQ ID NO 171
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:capture
US-10-297-068-171

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 8.1e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        569 GGGTGCTGTACATTGACA 586
              |||||| |||| | ||||
Db          1 GGGTGCGGTACCTGGACA 18


RESULT 1202
US-10-297-068-345
; Sequence 345, Application US/10297068
; Publication No. US20030228585A1
; GENERAL INFORMATION:
;  APPLICANT: INOKO, Hidetoshi
;  APPLICANT:  KAGIYA, Taeko
;  APPLICANT:  ICHIHARA, Tatsuo
;  APPLICANT:  Matsumura, Yoshiyuki
;  APPLICANT:  MORIYA, Shogo
;  APPLICANT:  NISHIDA, Michio
;  TITLE OF INVENTION: KIT AND METHOD FOR DETERMINING HLA TYPES
;  FILE REFERENCE: 1314OP1174
;  CURRENT APPLICATION NUMBER: US/10/297,068
;  CURRENT FILING DATE:  2002-11-27
;  PRIOR APPLICATION NUMBER: JP 2000-164798
;  PRIOR FILING DATE: 2000-06-01
;  NUMBER OF SEQ ID NOS: 1298
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 345
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:capture
US-10-297-068-345

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 8.1e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1064 TTGAATACTTTGGACCAG 1081
              |||||||| |||  ||||
Db          1 TTGAATACCTTGATCCAG 18


RESULT 1203
US-10-108-260A-5301
; Sequence 5301, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
;  APPLICANT: HELIX RESEARCH INSTITUTE
;  TITLE OF INVENTION: No. US20040005560A1el full length cDNA
;  FILE REFERENCE: H1-A0106
;  CURRENT APPLICATION NUMBER: US/10/108,260A
;  CURRENT FILING DATE:  2002-03-27
;  NUMBER OF SEQ ID NOS: 5458
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5301
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: an artificially synthesized p
US-10-108-260A-5301

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 8.1e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        410 GTTCTGTGGCAAGTGCTG 427
              ||||||| | | ||||||
Db          1 GTTCTGTTGGAGGTGCTG 18


RESULT 1204
US-10-349-143-4124
; Sequence 4124, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 4124
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: upstream amplification primer 99-13429 for SEQ 190,
US-10-349-143-4124

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 8.1e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1581 ATTTTCTATTTCTCTGTG 1598
              | ||||| | ||||||||
Db          1 ACTTTCTCTGTCTCTGTG 18


RESULT 1205
US-10-349-143-5112/c
; Sequence 5112, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 5112
;   LENGTH: 18
;   TYPE: DNA
```

```
   ORGANISM: Homo Sapiens
   FEATURE:
   NAME/KEY: primer_bind
   LOCATION: 1..18
   OTHER INFORMATION: upstream amplification primer 99-20928 for SEQ 1178,
US-10-349-143-5112

  Query Match              0.6%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 8.1e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        832 GTGGTCTTACAGTGTGGC 849
              | ||| ||||||| ||||
Db         18 GAGGTTTTACAGTATGGC 1


RESULT 1206
US-10-349-143-7274
  Sequence 7274, Application US/10349143
  Publication No. US20040005584A1
  GENERAL INFORMATION:
   APPLICANT: Cohen, Daniel
   APPLICANT:  Blumenfeld, Marta
   APPLICANT:  Chumakov, Ilya
   TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
   FILE REFERENCE: GENSET.020CP1
   CURRENT APPLICATION NUMBER: US/10/349,143
   CURRENT FILING DATE:  2003-01-21
   PRIOR APPLICATION NUMBER: US/09/422,978
   PRIOR FILING DATE: 1999-10-20
   PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
   PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
   PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
   PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
   PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
   PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
   NUMBER OF SEQ ID NOS: 11796
  SEQ ID NO 7274
    LENGTH: 18
    TYPE: DNA
    ORGANISM: Homo Sapiens
    FEATURE:
    NAME/KEY: primer_bind
    LOCATION: 1..18
    OTHER INFORMATION: upstream amplification primer 99-3391 for SEQ 3340,
US-10-349-143-7274

  Query Match              0.6%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 8.1e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        232 CACAAAGCCAATGCTGAG 249
              ||| |||||| || ||||
Db          1 CACCAAGCCATTGATGAG 18


RESULT 1207
US-10-321-039-625/c
  Sequence 625, Application US/10321039
  Publication No. US20040014067A1
  GENERAL INFORMATION:
   APPLICANT: Lyamichev, Victor
   APPLICANT:  Lukowiak, Andrew
   APPLICANT:  Jarvis, Nancy
   APPLICANT:  Kurensky, David
   TITLE OF INVENTION: Amplification Methods and Compositions
   FILE REFERENCE: FORS-06960
   CURRENT APPLICATION NUMBER: US/10/321,039
   CURRENT FILING DATE:  2002-12-17
   PRIOR APPLICATION NUMBER: 09/998,157
   PRIOR FILING DATE: 2001-11-30
   PRIOR APPLICATION NUMBER: 60/329,113
   PRIOR FILING DATE: 2001-10-12
   PRIOR APPLICATION NUMBER: 60/360,489
   PRIOR FILING DATE: 2001-10-19
   NUMBER OF SEQ ID NOS: 759
   SOFTWARE: PatentIn version 3.2
  SEQ ID NO 625
    LENGTH: 18
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Synthetic
US-10-321-039-625

  Query Match              0.6%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 8.1e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1338 GGAGGGAGAGGGGGGCCG 1355
              | |||| |||||||| |
Db         18 GTAGGGTGAGGGGGGCAG 1


RESULT 1208
US-10-221-677-10
  Sequence 10, Application US/10221677
  Publication No. US20040018596A1
  GENERAL INFORMATION:
   APPLICANT: UDAKA, SHIGEZO
   APPLICANT:  SATA, SEIJI
   APPLICANT:  KUDO, TOSHIYUKI
   APPLICANT:  OKA, SHUSAKU
   APPLICANT:  HIGASHIKUNI, NAOHIKO
   APPLICANT:  KONDO, MASAAKI
   TITLE OF INVENTION: Process for preparing polypeptides with disulfide bond
   FILE REFERENCE: 228202US0XPCT
   CURRENT APPLICATION NUMBER: US/10/221,677
   CURRENT FILING DATE:  2003-01-07
   PRIOR APPLICATION NUMBER: PCT/JP01/01987
   PRIOR FILING DATE: 2001-03-13
   PRIOR APPLICATION NUMBER: JP 2000-70753
   PRIOR FILING DATE: 2000-03-14
   NUMBER OF SEQ ID NOS: 27
   SOFTWARE: PatentIn version 3.1
  SEQ ID NO 10
    LENGTH: 18
    TYPE: DNA
    ORGANISM: ARTIFICIAL SEQUENCE
    FEATURE:
    OTHER INFORMATION: SYNTHETIC DNA
US-10-221-677-10

  Query Match              0.6%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 8.1e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1509 CTGAATGGACCTCTCCAG 1526
              ||| | ||||| ||||||
Db          1 CTGCAGGGACCCCTCCAG 18


RESULT 1209
US-10-456-422-28/c
  Sequence 28, Application US/10456422
  Publication No. US20040019918A1
  GENERAL INFORMATION:
   APPLICANT: Whalen, Anne M.
   APPLICANT:  Cook, Christopher K.
   APPLICANT:  Sikorski, James A.
   TITLE OF INVENTION: HUMAN MEKK2 PROTEIN AND NUCLEIC ACID
   TITLE OF INVENTION:  MOLECULES AND USES THEREFOR
   FILE REFERENCE: AGY-002B
   CURRENT APPLICATION NUMBER: US/10/456,422
   CURRENT FILING DATE:  2003-06-05
   NUMBER OF SEQ ID NOS: 32
```

```
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 28
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-10-456-422-28

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 8.1e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        656 TTCATAAGTATGGAGAGT 673
              | ||||| |||||| |||
Db         18 TCCATAAATATGGAAAGT 1


RESULT 1210
US-10-138-674-1481
; Sequence 1481, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/138,674
;  CURRENT FILING DATE:  2002-05-03
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1481
;   LENGTH: 18
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-138-674-1481

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 8.1e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        440 AGCAGCAGACGGACATCG 457
              || |||||| ||||| ||
Db          1 AGGAGCAGAUGGACAGCG 18


RESULT 1211
US-10-655-762-1/c
; Sequence 1, Application US/10655762
; Publication No. US20040081993A1
; GENERAL INFORMATION:
;  APPLICANT: Cantor, Charles R
;  APPLICANT:  Ding, Chunming
;  TITLE OF INVENTION: Quantification of Gene Expression
;  FILE REFERENCE: 701586-53023
;  CURRENT APPLICATION NUMBER: US/10/655,762
;  CURRENT FILING DATE:  2003-09-05
;  PRIOR APPLICATION NUMBER: 60/408,819
;  PRIOR FILING DATE: 2002-09-06
;  PRIOR APPLICATION NUMBER: 60/422,030
;  PRIOR FILING DATE: 2002-10-29
;  NUMBER OF SEQ ID NOS: 1
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-655-762-1

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 8.1e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1005 TGAGACAGCTGTGGCCCT 1022
              ||| ||| |||||||| |
Db         18 TGATACAACTGTGGCCAT 1


RESULT 1212
US-10-676-154-378/c
; Sequence 378, Application US/10676154
; Publication No. US20040081996A1
; GENERAL INFORMATION:
;  APPLICANT: John Landers
;  APPLICANT:  David Houseman
;  APPLICANT:  Barbara Jordan
;  APPLICANT:  Alain Charest
;  TITLE OF INVENTION: Methods and Products Related to
;  TITLE OF INVENTION:  Genotyping and DNA Analysis
;  FILE REFERENCE: M0656/7045(HCL/MAT)
;  CURRENT APPLICATION NUMBER: US/10/676,154
;  CURRENT FILING DATE:  2003-09-29
;  PRIOR APPLICATION NUMBER: US 60/101,757
;  PRIOR FILING DATE: 1998-09-25
;  PRIOR APPLICATION NUMBER: PCT/US99/22283
;  PRIOR FILING DATE: 1999-09-24
;  NUMBER OF SEQ ID NOS: 691
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 378
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
US-10-676-154-378

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 8.1e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        534 CTTGGCCATCCTGGAACT 551
              | ||||  ||||||||||
Db         18 CCTGGCTGTCCTGGAACT 1


RESULT 1213
US-10-287-949A-1481
; Sequence 1481, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions R
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/287,949A
;  CURRENT FILING DATE:  2003-04-11
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1481
;   LENGTH: 18
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-287-949A-1481

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 8.1e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;
```

```
Qy        440 AGCAGCAGACGGACATCG 457
              || |||||| ||||| ||
Db          1 AGGAGCAGAUGGACAGCG 18


RESULT 1214
US-10-606-133-281/c
  Sequence 281, Application US/10606133
  Publication No. US20040132047A1
  GENERAL INFORMATION:
   APPLICANT: Fortina, Paolo
   APPLICANT:  Maris, John M.
   APPLICANT:  Gelfand, Craig A.
   TITLE OF INVENTION: Methods for Detection of Genetic
   TITLE OF INVENTION:  Alterations Associated with Cancer
   FILE REFERENCE: CHOP.0182US
   CURRENT APPLICATION NUMBER: US/10/606,133
   CURRENT FILING DATE:  2003-06-25
   PRIOR APPLICATION NUMBER: 60/391,515
   PRIOR FILING DATE: 2002-06-25
   NUMBER OF SEQ ID NOS: 282
   SOFTWARE: FastSEQ for Windows Version 3.0
  SEQ ID NO 281
    LENGTH: 18
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Primer
US-10-606-133-281

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 8.1e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        560 ATCACCAGAGGGTGCTGT 577
              |||  |||||||||| ||
Db         18 ATCCACAGAGGGTGCGGT 1


RESULT 1215
US-10-682-845-29
; Sequence 29, Application US/10682845
; Publication No. US20040162411A1
; GENERAL INFORMATION:
;  APPLICANT: Lanzavecchia, Antonio
;  TITLE OF INVENTION: Potent T cell modulating molecules
;  FILE REFERENCE: G2296 US
;  CURRENT APPLICATION NUMBER: US/10/682,845
;  CURRENT FILING DATE:  2003-10-10
;  PRIOR APPLICATION NUMBER: US 60/419,149
;  PRIOR FILING DATE: 2002-10-18
;  PRIOR APPLICATION NUMBER: CA 2,403,313
;  PRIOR FILING DATE: 2002-10-11
;  NUMBER OF SEQ ID NOS: 89
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   OTHER INFORMATION: M58
US-10-682-845-29

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 8.1e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        724 TATTATGCTGTTAACTAC 741
              |||| || |||| |||||
Db          1 TATTCTGATGTTTACTAC 18


RESULT 1216
US-09-790-417-114
; Sequence 114, Application US/09790417
; Patent No. US20010031470A1
; GENERAL INFORMATION:
;  APPLICANT: Shultz, John W
;  APPLICANT:  Lewis, Martin K.
;  APPLICANT:  Lieppe, Donna
;  APPLICANT:  Mandrekar, Michelle
;  APPLICANT:  Kephart, Daniel
;  APPLICANT:  Rhodes, Richard B.
;  APPLICANT:  Andrews, Christine A.
;  APPLICANT:  Hartnett, James R.
;  APPLICANT:  Gu, Trent
;  APPLICANT:  Olson, Ryan J.
;  APPLICANT:  Wood, Keith W.
;  APPLICANT:  Welch, Roy
;  TITLE OF INVENTION: Nucleic Acid Detection
;  FILE REFERENCE: Pro-103 6868/75528
;  CURRENT APPLICATION NUMBER: US/09/790,417
;  CURRENT FILING DATE:  2001-02-22
;  PRIOR APPLICATION NUMBER: 09/358,972
;  PRIOR FILING DATE: 1999-07-21
;  PRIOR APPLICATION NUMBER: 09/042,287
;  PRIOR FILING DATE: 1998-03-13
;  NUMBER OF SEQ ID NOS: 290
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 114
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: probe for human cystic fibrosis gene
US-09-790-417-114

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        895 ATCAAAGGACACGCCAAG 912
              |||| |||| || |||||
Db          2 ATCATAGGAAACACCAAG 19


RESULT 1217
US-09-231-235-32/c
; Sequence 32, Application US/09231235
; Patent No. US20020048805A1
; GENERAL INFORMATION:
;  APPLICANT: Johnston, Julie C.
;  APPLICANT: Sauter, Sybille L.
;  APPLICANT: Hsu, David
;  APPLICANT: Sheridan, Philip Lee
;  APPLICANT: Hardy, Steven
;  APPLICANT: Dubensky, Thomas
;  APPLICANT: Yee, Jiing-Kuan
;  TITLE OF INVENTION: FELINE IMMUNODEFICIENCY VIRUS GENE THERAPY VECTORS
;  FILE REFERENCE: 930049.467
;  CURRENT APPLICATION NUMBER: US/09/231,235
;  CURRENT FILING DATE: 1999-01-15
;  NUMBER OF SEQ ID NOS: 63
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 32
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
;   FEATURE:
;   OTHER INFORMATION: Primer Used in Example 5A
US-09-231-235-32

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
```

```
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1694 GCCACCTTGCCACCCATT 1711
              ||||| |||||  |||||
Db         19 GCCACATTGCCTACCATT 2


RESULT 1218
US-09-829-549A-3
; Sequence 3, Application US/09829549A
; Patent No. US20020052484A1
; GENERAL INFORMATION:
;  APPLICANT: The Curators of the University of Missouri
;  TITLE OF INVENTION: PHAGE DISPLAY SELECTION OF ANTI FUNGAL PEPTIDES
;  FILE REFERENCE: UMO 1521.1
;  CURRENT APPLICATION NUMBER: US/09/829,549A
;  CURRENT FILING DATE:  2001-04-10
;  PRIOR APPLICATION NUMBER: US 60/195,785
;  PRIOR FILING DATE: 2000-04-10
;  NUMBER OF SEQ ID NOS: 48
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(19)
;   OTHER INFORMATION: Primer
US-09-829-549A-3

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1460 AGGAGGAGAAGCCAGAAG 1477
              || || ||||||| ||||
Db          1 AGTAGCAGAAGCCTGAAG 18


RESULT 1219
US-09-797-518A-32/c
; Sequence 32, Application US/09797518A
; Patent No. US20020068354A1
; GENERAL INFORMATION:
;  APPLICANT: Johnston, Julie C.
;  APPLICANT:  Sauter, Sybille L.
;  APPLICANT:  Hsu, David
;  APPLICANT:  Sheridan, Philip Lee
;  APPLICANT:  Hardy, Steven
;  APPLICANT:  Dubensky, Thomas
;  APPLICANT:  Yee, Jiing-Kuan
;  TITLE OF INVENTION: FELINE IMMUNODEFICIENCY VIRUS GENE THERAPY VECTORS
;  FILE REFERENCE: 930049.467
;  CURRENT APPLICATION NUMBER: US/09/797,518A
;  CURRENT FILING DATE:  2001-03-01
;  PRIOR APPLICATION NUMBER: 09/231,235
;  PRIOR FILING DATE: 1999-01-15
;  NUMBER OF SEQ ID NOS: 63
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 32
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
;   OTHER INFORMATION: OTHER INFORMATION: Primer Used in Example 5A
JS-09-797-518A-32

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1694 GCCACCTTGCCACCCATT 1711
              ||||| |||||  |||||
Db         19 GCCACATTGCCTACCATT 2


RESULT 1220
US-09-898-533-38
; Sequence 38, Application US/09898533
; Patent No. US20020106656A1
; GENERAL INFORMATION:
;  APPLICANT: Gemmill, Robert M.
;  APPLICANT:  Drabkin, Harry A.
;  TITLE OF INVENTION: TRC8, A GENE RELATED TO THE HEDGEHOG RECEPTOR,
;  TITLE OF INVENTION:  PATCHED
;  FILE REFERENCE: 93445-00004
;  CURRENT APPLICATION NUMBER: US/09/898,533
;  CURRENT FILING DATE:  2001-07-02
;  PRIOR APPLICATION NUMBER: US/09/268,140
;  PRIOR FILING DATE: 2000-03-12
;  NUMBER OF SEQ ID NOS: 46
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 38
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-898-533-38

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        144 CCACCCAATGAAGCCTCA 161
              ||||||||||||  |  ||
Db          1 CCACCCAATGAAACTCCA 18


RESULT 1221
US-09-996-073-11/c
; Sequence 11, Application US/09996073
; Publication No. US20030003565A1
; GENERAL INFORMATION:
;  APPLICANT: DUBENSKY JR., Thomas W.
;  APPLICANT:  GASMI, Mehdi
;  APPLICANT:  SAUTER, Sybille
;  TITLE OF INVENTION: FUNCTIONAL LENTIVIRAL VECTOR FROM
;  TITLE OF INVENTION:  AN MLV-BASED BACKBONE
;  FILE REFERENCE: 2302-1642 / 1642.002
;  CURRENT APPLICATION NUMBER: US/09/996,073
;  CURRENT FILING DATE:  2001-11-27
;  NUMBER OF SEQ ID NOS: 34
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: FIV5 primer
US-09-996-073-11

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1694 GCCACCTTGCCACCCATT 1711
              ||||| |||||  |||||
Db         19 GCCACATTGCCTACCATT 2


RESULT 1222
US-09-766-450-32
; Sequence 32, Application US/09766450
; Publication No. US20030022166A1
; GENERAL INFORMATION:
```

APPLICANT: Collins, Colin
APPLICANT: Volik, Stanislav
APPLICANT: Gray, Joe W.
APPLICANT: Albertson, Donna G.
APPLICANT: Pinkel, Daniel
APPLICANT: The Regents of the University of California
TITLE OF INVENTION: Repeat-Free Probes for Molecular
TITLE OF INVENTION: Cytogenetics
FILE REFERENCE: 02307I-111800US
CURRENT APPLICATION NUMBER: US/09/766,450
CURRENT FILING DATE: 2001-01-19
NUMBER OF SEQ ID NOS: 112
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 32
LENGTH: 19
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: primer 695950.r1
US-09-766-450-32

Query Match 0.6%; Score 13.2; DB 1; Length 19;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1369 AACTTCAAAAAAGCCAAG 1386
|||||| || |||||||
Db 1 AACTTCCCAACAGCCAAG 18

RESULT 1223
US-09-825-155-8
Sequence 8, Application US/09825155
Publication No. US20030100032A1
GENERAL INFORMATION:
APPLICANT: Altaba, Ariel Ruizi
TITLE OF INVENTION: METHODS AND MATERIALS FOR THE DIAGNOSIS AND TREATMENT
TITLE OF INVENTION: OF SPORADIC BASAL CELL CARCINOMA
FILE REFERENCE: 1049-1-008N
CURRENT APPLICATION NUMBER: US/09/825,155
CURRENT FILING DATE: 2001-04-03
PRIOR APPLICATION NUMBER: 09/102,491
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/050,286
PRIOR FILING DATE: 1997-06-20
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 8
LENGTH: 19
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-825-155-8

Query Match 0.6%; Score 13.2; DB 1; Length 19;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1867 CTTCAAGGATCTCCTGTT 1884
| |||| ||||||||| |
Db 1 CCTCAATGATCTCCTGAT 18

RESULT 1224
US-09-872-696A-32/c
; Sequence 32, Application US/09872696A
; Publication No. US20030104611A1
; GENERAL INFORMATION:
; APPLICANT: Johnston, Julie C.
; APPLICANT: Sauter, Sybille L.
; APPLICANT: Hsu, David
; APPLICANT: Sheridan, Philip Lee
; APPLICANT: Hardy, Steven
; APPLICANT: Dubensky, Thomas
; APPLICANT: Yee, Jiing-Kuan
; TITLE OF INVENTION: FELINE IMMUNODEFICIENCY VIRUS GENE THERAPY VECTORS
; FILE REFERENCE: 930049.467
; CURRENT APPLICATION NUMBER: US/09/872,696A
; CURRENT FILING DATE: 1999-01-18
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 32
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
; OTHER INFORMATION: Primer Used in Example 5A
US-09-872-696A-32

Query Match 0.6%; Score 13.2; DB 1; Length 19;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1694 GCCACCTTGCCACCCATT 1711
||||| ||||| |||||
Db 19 GCCACATTGCCTACCATT 2

RESULT 1225
US-09-788-847-95
; Sequence 95, Application US/09788847
; Publication No. US20030194699A1
; GENERAL INFORMATION:
; APPLICANT: Shultz, John W
; APPLICANT: Lewis, Martin K.
; APPLICANT: Leippe, Donna
; APPLICANT: Mandrekar, Michelle
; APPLICANT: Kephart, Daniel
; APPLICANT: Rhodes, Richard B
; APPLICANT: Andrews, Christine A.
; APPLICANT: Hartnett, James R.
; APPLICANT: Gu, Trent
; APPLICANT: Wood, Keith V.
; APPLICANT: Welch, Roy
; TITLE OF INVENTION: MULTIPLEX METHOD FOR NUCLEIC ACID DETECTION
; FILE REFERENCE: PRO-107.0 (6868/75532)
; CURRENT APPLICATION NUMBER: US/09/788,847
; CURRENT FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 09/406,064
; PRIOR FILING DATE: 1999-09-27
; PRIOR APPLICATION NUMBER: 09/252,436
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: 09/042,287
; PRIOR FILING DATE: 1998-03-13
; NUMBER OF SEQ ID NOS: 99
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 95
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-788-847-95

Query Match 0.6%; Score 13.2; DB 1; Length 19;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 895 ATCAAAGGACACGCCAAG 912
|||| |||| || |||||
Db 2 ATCATAGGAAACACCAAG 19

RESULT 1226
US-10-335-977-9804
; Sequence 9804, Application US/10335977

```
; Publication No. US20040052799A1
;  GENERAL INFORMATION:
;       APPLICANT: DOUGLAS SMITH et al
;       TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
;                           RELATING TO HELICOBACTER PYLORI FOR
;                           DIAGNOSTICS AND THERAPEUTICS
;       NUMBER OF SEQUENCES: 10031
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: LAHIVE & COCKFIELD
;            STREET: 28 State Street
;            CITY: Boston
;            STATE: Massachusetts
;            COUNTRY: USA
;            ZIP: 02109-1875
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: CD/ROM ISO9660
;            COMPUTER: IBM PC Compatible
;            OPERATING SYSTEM: Windows NT 4.0
;            SOFTWARE: UNIX
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/10/335,977
;            FILING DATE: 30-Dec-2002
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/993,002
;            FILING DATE: 17-DEC-1997
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Mandragouras, Amy E.
;            REGISTRATION NUMBER: 36,207
;            REFERENCE/DOCKET NUMBER: GTN-018
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (617)227-7400
;            TELEFAX: (617)742-4214
;  INFORMATION FOR SEQ ID NO: 9804:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 19 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: double
;            TOPOLOGY: circular
;       MOLECULE TYPE: DNA (genomic)
;       HYPOTHETICAL: NO
;       ANTI-SENSE: NO
;       ORIGINAL SOURCE:
;            ORGANISM: Helicobacter pylori
;       FEATURE:
;            NAME/KEY:  misc_feature
;            LOCATION: (B) LOCATION 1...19
;       SEQUENCE DESCRIPTION: SEQ ID NO: 9804:
JS-10-335-977-9804

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        935 TTAACCTGCCTATGCTGA 952
              | ||  ||||||||||||
Db          2 TCAAGTTGCCTATGCTGA 19


RESULT 1227
JS-10-027-632-53338
; Sequence 53338, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
;  APPLICANT: Wang, David G.
;  TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
;  TITLE OF INVENTION:  Polymorphisms in the Human Genome
;  FILE REFERENCE: 108827.129
;  CURRENT APPLICATION NUMBER: US/10/027,632
;  CURRENT FILING DATE:  2002-04-30
;  PRIOR APPLICATION NUMBER: US 60/218,006
;  PRIOR FILING DATE: 2000-07-12
;  PRIOR APPLICATION NUMBER: US 60/198,676
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: US 60/193,483
;  PRIOR FILING DATE: 2000-03-29
;  PRIOR APPLICATION NUMBER: US 60/185,218
;  PRIOR FILING DATE: 2000-02-24
;  PRIOR APPLICATION NUMBER: US 60/167,363
;  PRIOR FILING DATE: 1999-11-23
;  PRIOR APPLICATION NUMBER: US 60/156,358
;  PRIOR FILING DATE: 1999-09-28
;  PRIOR APPLICATION NUMBER: US 60/146,002
;  PRIOR FILING DATE: 1999-08-09
;  NUMBER OF SEQ ID NOS: 325720
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 53338
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Human
US-10-027-632-53338

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1611 AATTTATTAAATATAAAT 1628
              | ||  ||||||||||||
Db          2 ATTTGGTTAAATATAAAT 19


RESULT 1228
US-10-027-632-53338
; Sequence 53338, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
;  APPLICANT: Wang, David G.
;  TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
;  TITLE OF INVENTION:  Polymorphisms in the Human Genome
;  FILE REFERENCE: 108827.129
;  CURRENT APPLICATION NUMBER: US/10/027,632
;  CURRENT FILING DATE:  2002-04-30
;  PRIOR APPLICATION NUMBER: US 60/218,006
;  PRIOR FILING DATE: 2000-07-12
;  PRIOR APPLICATION NUMBER: US 60/198,676
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: US 60/193,483
;  PRIOR FILING DATE: 2000-03-29
;  PRIOR APPLICATION NUMBER: US 60/185,218
;  PRIOR FILING DATE: 2000-02-24
;  PRIOR APPLICATION NUMBER: US 60/167,363
;  PRIOR FILING DATE: 1999-11-23
;  PRIOR APPLICATION NUMBER: US 60/156,358
;  PRIOR FILING DATE: 1999-09-28
;  PRIOR APPLICATION NUMBER: US 60/146,002
;  PRIOR FILING DATE: 1999-08-09
;  NUMBER OF SEQ ID NOS: 325720
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 53338
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Human
US-10-027-632-53338

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1611 AATTTATTAAATATAAAT 1628
              | ||  ||||||||||||
Db          2 ATTTGGTTAAATATAAAT 19


RESULT 1229
US-10-040-805-6
; Sequence 6, Application US/10040805
; Publication No. US20030032776A1
```

```
 GENERAL INFORMATION:
  APPLICANT: Bristol-Myers Squibb Company
  TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN POTASSIUM CHANNEL BETA-SUBU
  TITLE OF INVENTION:  K+Mbeta1
  FILE REFERENCE: D0049np
  CURRENT APPLICATION NUMBER: US/10/040,805
  CURRENT FILING DATE:  2001-11-01
  PRIOR APPLICATION NUMBER: US 60/245366
  PRIOR FILING DATE: 2000-11-02
  PRIOR APPLICATION NUMBER: US 60/257851
  PRIOR FILING DATE: 2000-12-21
  NUMBER OF SEQ ID NOS: 18
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 6
   LENGTH: 19
   TYPE: DNA
   ORGANISM: homo sapiens
S-10-040-805-6

 Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
 Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
 Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y       1670 TGTGCTGGGTGAGCTCTT 1687
             ||||||| ||| || |||
b          1 TGTGCTGTGTGGGCACTT 18


ESULT 1230
S-10-146-354A-45/c
 Sequence 45, Application US/10146354A
 Publication No. US20030054381A1
 GENERAL INFORMATION:
  APPLICANT: Pfizer Inc.
  APPLICANT:  Seymour, Albert B.
  APPLICANT:  Nelson, Darcy L.
;  APPLICANT:  Webb, Suzin M.
;  APPLICANT:  Affourtit, Jason P.
;  TITLE OF INVENTION: GENETIC POLYMORPHISMS IN THE HUMAN NEUROKININ 1 RECEPTOR GENE AND
;  TITLE OF INVENTION:  USES IN DIAGNOSIS AND TREATMENT OF DISEASES
;  FILE REFERENCE: PC10461AGPR
;  CURRENT APPLICATION NUMBER: US/10/146,354A
;  CURRENT FILING DATE:  2002-08-15
;  PRIOR APPLICATION NUMBER: 60/293,425
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 48
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 45
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(19)
;   OTHER INFORMATION: artificial / primer
JS-10-146-354A-45

 Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
 Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
 Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        326 GCAAGCAGATGCAGAGAT 343
              || |||||||| |||| |
Db         19 GCGAGCAGATGAAGAGGT 2


RESULT 1231
US-10-152-297-13
; Sequence 13, Application US/10152297
; Publication No. US20030077621A1
; GENERAL INFORMATION:
;  APPLICANT: Shultz, John W
;  APPLICANT:  Lewis, Martin K.
;  APPLICANT:  Lieppe, Donna
;  APPLICANT:  Mandrekar, Michelle
;  APPLICANT:  Kephart, Daniel
;  APPLICANT:  Rhodes, Richard B.
;  APPLICANT:  Andrews, Christine A.
;  APPLICANT:  Hartnett, James R.
;  APPLICANT:  Gu, Trent
;  APPLICANT:  Olson, Ryan J.
;  APPLICANT:  Wood, Keith W.
;  APPLICANT:  Welch, Roy
;  TITLE OF INVENTION: Nucleic Acid Detection
;  FILE REFERENCE: PRO-104 6868/75529
;  CURRENT APPLICATION NUMBER: US/10/152,297
;  CURRENT FILING DATE:  2002-05-20
;  PRIOR APPLICATION NUMBER: US/09/383,316
;  PRIOR FILING DATE: 1999-08-25
;  PRIOR APPLICATION NUMBER: 09/252,436
;  PRIOR FILING DATE: 1999-02-18
;  PRIOR APPLICATION NUMBER: 09/042,287
;  PRIOR FILING DATE: 1998-03-13
;  PRIOR APPLICATION NUMBER: 09/358,972
;  PRIOR FILING DATE: 1999-07-21
;  NUMBER OF SEQ ID NOS: 123
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: probe for human cystic fibrosis gene
US-10-152-297-13

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        895 ATCAAAGGACACGCCAAG 912
              |||| |||| || |||||
Db          2 ATCATAGGAAACACCAAG 19


RESULT 1232
US-10-175-225-106
; Sequence 106, Application US/10175225
; Publication No. US20030082582A1
; GENERAL INFORMATION:
;  APPLICANT: Richard A. Gatti
;  TITLE OF INVENTION: METHODS FOR DETECTION OF ATAXIA
;  TITLE OF INVENTION:  TELANGIECTASIA MUTATIONS
;  FILE REFERENCE: UC078.001DV1
;  CURRENT APPLICATION NUMBER: US/10/175,225
;  CURRENT FILING DATE:  2002-08-23
;  PRIOR APPLICATION NUMBER: US 09/360,416
;  PRIOR FILING DATE: 1999-07-23
;  NUMBER OF SEQ ID NOS: 143
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 106
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Human
US-10-175-225-106

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        234 CAAAGCCAATGCTGAGGA 251
              ||||||| ||| |||| |
Db          1 CAAAGCCTATGATGAGAA 18
```

```
RESULT 1233
US-10-005-626A-33/c
; Sequence 33, Application US/10005626A
; Publication No. US20030119003A1
; GENERAL INFORMATION:
;  APPLICANT: GeneType A.G.
;  APPLICANT:  Michael, Simons J.
;  TITLE OF INVENTION: Intron Sequence Analysis Method for Detection of Adjacent and Rem
;  TITLE OF INVENTION:  Locus Alleles as Haplotypes
;  FILE REFERENCE: 21401-7002
;  CURRENT APPLICATION NUMBER: US/10/005,626A
;  CURRENT FILING DATE:  2001-12-03
;  PRIOR APPLICATION NUMBER: US 10/005,626
;  PRIOR FILING DATE: 2001-12-03
;  PRIOR APPLICATION NUMBER: US 09/070,497
;  PRIOR FILING DATE: 1998-04-30
;  PRIOR APPLICATION NUMBER: US 08/682,054
;  PRIOR FILING DATE: 1996-07-16
;  PRIOR APPLICATION NUMBER: US 07/949,652
;  PRIOR FILING DATE: 1992-09-23
;  PRIOR APPLICATION NUMBER: US 07/551,239
;  PRIOR FILING DATE: 1990-07-11
;  PRIOR APPLICATION NUMBER: US 07/465,863
;  PRIOR FILING DATE: 1990-01-16
;  PRIOR APPLICATION NUMBER: US 07/405,499
;  PRIOR FILING DATE: 1989-09-11
;  PRIOR APPLICATION NUMBER: US 07/398,217
;  PRIOR FILING DATE: 1989-08-25
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 33
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-005-626A-33

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        849 CTCAGACTCCCTATCTGG 866
              |||||| || || |||||
Db         18 CTCAGAGTCACTCTCTGG 1


RESULT 1234
US-10-224-005-40
; Sequence 40, Application US/10224005
; Publication No. US20030143732A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  APPLICANT:  Fosnaugh, Kathy
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Adenosine A1 Receptor (AD
;  TITLE OF INVENTION:  Gene Expression Using Short Interfering RNA
;  FILE REFERENCE: 900/041 (MBHB01-1110-A)
;  CURRENT APPLICATION NUMBER: US/10/224,005
;  CURRENT FILING DATE:  2002-08-20
;  PRIOR APPLICATION NUMBER: US 60/315,315
;  PRIOR FILING DATE: 2001-08-28
;  NUMBER OF SEQ ID NOS: 347
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 40
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense r
US-10-224-005-40

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   61.1%;  Pred. No. 8.8e+02;
  Matches   11;  Conservative    4;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        416 TGGCAAGTGCTGTGAAAC 433
              :||||| :||:|:| | |
Db          2 UGGCAAUUGCUGUGGACC 19


RESULT 1235
US-10-224-005-201/c
; Sequence 201, Application US/10224005
; Publication No. US20030143732A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  APPLICANT:  Fosnaugh, Kathy
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Adenosine A1 Receptor (A
;  TITLE OF INVENTION:  Gene Expression Using Short Interfering RNA
;  FILE REFERENCE: 900/041 (MBHB01-1110-A)
;  CURRENT APPLICATION NUMBER: US/10/224,005
;  CURRENT FILING DATE:  2002-08-20
;  PRIOR APPLICATION NUMBER: US 60/315,315
;  PRIOR FILING DATE: 2001-08-28
;  NUMBER OF SEQ ID NOS: 347
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 201
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
US-10-224-005-201

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        416 TGGCAAGTGCTGTGAAAC 433
              |||||| ||||||| | |
Db         18 TGGCAATTGCTGTGGACC 1


RESULT 1236
US-10-251-117-562
; Sequence 562, Application US/10251117
; Publication No. US20030170891A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor
;  TITLE OF INVENTION:  Gene Expression Using Short Interfering RNA
;  FILE REFERENCE: 900/042 (MBHB02-468-A)
;  CURRENT APPLICATION NUMBER: US/10/251,117
;  CURRENT FILING DATE:  2003-02-24
;  PRIOR APPLICATION NUMBER: US 60/393,924
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: US 10/163,552
;  PRIOR FILING DATE: 2002-06-06
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 09/916,466
;  PRIOR FILING DATE: 2001-07-25
;  PRIOR APPLICATION NUMBER: US 60/296,249
;  PRIOR FILING DATE: 2001-06-06
;  NUMBER OF SEQ ID NOS: 1213
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 562
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense r
US-10-251-117-562

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
```

```
  Best Local Similarity   66.7%;  Pred. No. 8.8e+02;
  Matches   12;  Conservative    3;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1678 GTGAGCTCTTCCAGGAGC 1695
              | ||||:|::|  |||||
Db          1 GCGAGCUCUUCGGGGAGC 18


RESULT 1237
US-10-251-117-869/c
; Sequence 869, Application US/10251117
; Publication No. US20030170891A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor R
;  TITLE OF INVENTION:  Gene Expression Using Short Interfering RNA
;  FILE REFERENCE: 900/042 (MBHB02-468-A)
;  CURRENT APPLICATION NUMBER: US/10/251,117
;  CURRENT FILING DATE:  2003-02-24
;  PRIOR APPLICATION NUMBER: US 60/393,924
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: US 10/163,552
;  PRIOR FILING DATE: 2002-06-06
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 09/916,466
;  PRIOR FILING DATE: 2001-07-25
;  PRIOR APPLICATION NUMBER: US 60/296,249
;  PRIOR FILING DATE: 2001-06-06
;  NUMBER OF SEQ ID NOS: 1213
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 869
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
US-10-251-117-869

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1678 GTGAGCTCTTCCAGGAGC 1695
              | |||||||||  |||||
Db         19 GCGAGCTCTTCGGGGAGC 2


RESULT 1238
US-10-225-023-177
; Sequence 177, Application US/10225023
; Publication No. US20030175950A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Using
;  TITLE OF INVENTION:  Interfering RNA
;  FILE REFERENCE: 400/054 (MBHB01-665-B)
;  CURRENT APPLICATION NUMBER: US/10/225,023
;  CURRENT FILING DATE:  2003-01-06
;  PRIOR APPLICATION NUMBER: US 60/398,036
;  PRIOR FILING DATE: 2002-07-23
;  PRIOR APPLICATION NUMBER: US 60/294,140
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 10/157,580
;  PRIOR FILING DATE: 2002-05-29
;  NUMBER OF SEQ ID NOS: 1494
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 177
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense
US-10-225-023-177

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1450 GAGAAAACCAAGGAGGAG 1467
              |||| |||||||| | ||
Db          2 GAGAGAACCAAGGGGAAG 19


RESULT 1239
US-10-225-023-249
; Sequence 249, Application US/10225023
; Publication No. US20030175950A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Usin
;  TITLE OF INVENTION:  Interfering RNA
;  FILE REFERENCE: 400/054 (MBHB01-665-B)
;  CURRENT APPLICATION NUMBER: US/10/225,023
;  CURRENT FILING DATE:  2003-01-06
;  PRIOR APPLICATION NUMBER: US 60/398,036
;  PRIOR FILING DATE: 2002-07-23
;  PRIOR APPLICATION NUMBER: US 60/294,140
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 10/157,580
;  PRIOR FILING DATE: 2002-05-29
;  NUMBER OF SEQ ID NOS: 1494
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 249
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense
US-10-225-023-249

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1450 GAGAAAACCAAGGAGGAG 1467
              |||| |||||||| | ||
Db          1 GAGAGAACCAAGGGGAAG 18


RESULT 1240
US-10-225-023-338
; Sequence 338, Application US/10225023
; Publication No. US20030175950A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Usin
;  TITLE OF INVENTION:  Interfering RNA
;  FILE REFERENCE: 400/054 (MBHB01-665-B)
;  CURRENT APPLICATION NUMBER: US/10/225,023
;  CURRENT FILING DATE:  2003-01-06
;  PRIOR APPLICATION NUMBER: US 60/398,036
;  PRIOR FILING DATE: 2002-07-23
;  PRIOR APPLICATION NUMBER: US 60/294,140
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 10/157,580
;  PRIOR FILING DATE: 2002-05-29
;  NUMBER OF SEQ ID NOS: 1494
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 338
;   LENGTH: 19
;   TYPE: RNA
```

```
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense r
US-10-225-023-338

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1447 GAGGAGAAAACCAAGGAG 1464
              || |||| |||||||| |
Db          1 GAUGAGAGAACCAAGGGG 18


RESULT 1241
US-10-225-023-517/c
; Sequence 517, Application US/10225023
; Publication No. US20030175950A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Using
;  TITLE OF INVENTION:  Interfering RNA
;  FILE REFERENCE: 400/054 (MBHB01-665-B)
;  CURRENT APPLICATION NUMBER: US/10/225,023
;  CURRENT FILING DATE:  2003-01-06
;  PRIOR APPLICATION NUMBER: US 60/398,036
;  PRIOR FILING DATE: 2002-07-23
;  PRIOR APPLICATION NUMBER: US 60/294,140
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 10/157,580
;  PRIOR FILING DATE: 2002-05-29
;  NUMBER OF SEQ ID NOS: 1494
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 517
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense r
US-10-225-023-517

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1988 CTGTCTTCTCCTAATTCT 2005
              |||||||||| ||  ||||
Db         18 CTGTCTTCTGCTCTTTCT 1


RESULT 1242
US-10-225-023-915/c
; Sequence 915, Application US/10225023
; Publication No. US20030175950A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Using
;  TITLE OF INVENTION:  Interfering RNA
;  FILE REFERENCE: 400/054 (MBHB01-665-B)
;  CURRENT APPLICATION NUMBER: US/10/225,023
;  CURRENT FILING DATE:  2003-01-06
;  PRIOR APPLICATION NUMBER: US 60/398,036
;  PRIOR FILING DATE: 2002-07-23
;  PRIOR APPLICATION NUMBER: US 60/294,140
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 10/157,580
;  PRIOR FILING DATE: 2002-05-29
;  NUMBER OF SEQ ID NOS: 1494
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 915
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
US-10-225-023-915

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1450 GAGAAAACCAAGGAGGAG 1467
              |||| |||||||| | ||
Db         18 GAGAGAACCAAGGGGAAG 1


RESULT 1243
US-10-225-023-987/c
; Sequence 987, Application US/10225023
; Publication No. US20030175950A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Usin
;  TITLE OF INVENTION:  Interfering RNA
;  FILE REFERENCE: 400/054 (MBHB01-665-B)
;  CURRENT APPLICATION NUMBER: US/10/225,023
;  CURRENT FILING DATE:  2003-01-06
;  PRIOR APPLICATION NUMBER: US 60/398,036
;  PRIOR FILING DATE: 2002-07-23
;  PRIOR APPLICATION NUMBER: US 60/294,140
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 10/157,580
;  PRIOR FILING DATE: 2002-05-29
;  NUMBER OF SEQ ID NOS: 1494
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 987
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
US-10-225-023-987

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1450 GAGAAAACCAAGGAGGAG 1467
              |||| |||||||| | ||
Db         19 GAGAGAACCAAGGGGAAG 2


RESULT 1244
US-10-225-023-1076/c
; Sequence 1076, Application US/10225023
; Publication No. US20030175950A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Usin
;  TITLE OF INVENTION:  Interfering RNA
;  FILE REFERENCE: 400/054 (MBHB01-665-B)
;  CURRENT APPLICATION NUMBER: US/10/225,023
;  CURRENT FILING DATE:  2003-01-06
;  PRIOR APPLICATION NUMBER: US 60/398,036
;  PRIOR FILING DATE: 2002-07-23
;  PRIOR APPLICATION NUMBER: US 60/294,140
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 10/157,580
;  PRIOR FILING DATE: 2002-05-29
;  NUMBER OF SEQ ID NOS: 1494
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1076
```

```
   LENGTH: 19
   TYPE: RNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
JS-10-225-023-1076

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1447 GAGGAGAAAACCAAGGAG 1464
              || |||| |||||||| |
Db         19 GATGAGAGAACCAAGGGG 2


RESULT 1245
JS-10-225-023-1255
; Sequence 1255, Application US/10225023
; Publication No. US20030175950A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Using
;  TITLE OF INVENTION:  Interfering RNA
;  FILE REFERENCE: 400/054 (MBHB01-665-B)
;  CURRENT APPLICATION NUMBER: US/10/225,023
;  CURRENT FILING DATE:  2003-01-06
;  PRIOR APPLICATION NUMBER: US 60/398,036
;  PRIOR FILING DATE: 2002-07-23
;  PRIOR APPLICATION NUMBER: US 60/294,140
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 10/157,580
;  PRIOR FILING DATE: 2002-05-29
;  NUMBER OF SEQ ID NOS: 1494
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1255
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
JS-10-225-023-1255

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   33.3%;  Pred. No. 8.8e+02;
  Matches    6;  Conservative    9;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1988 CTGTCTTCTCCTAATTCT 2005
              |:|:|::|: |:  ::|:
Db          2 CUGUCUUCUGCUCUUUCU 19


RESULT 1246
JS-10-264-171-6
; Sequence 6, Application US/10264171
; Publication No. US20030181711A1
; GENERAL INFORMATION:
;  APPLICANT: Bristol-Myers Squibb Company
;  TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN POTASSIUM CHANNEL BETA-SUBU
;  TITLE OF INVENTION:  K+Mbeta1
;  FILE REFERENCE: D0049A CIP
;  CURRENT APPLICATION NUMBER: US/10/264,171
;  CURRENT FILING DATE:  2002-10-03
;  PRIOR APPLICATION NUMBER: U.S. 10/040,805
;  PRIOR FILING DATE: 2000-11-01
;  NUMBER OF SEQ ID NOS: 57
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: homo sapiens
US-10-264-171-6

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1670 TGTGCTGGGTGAGCTCTT 1687
              ||||||| ||| || |||
Db          1 TGTGCTGTGTGGGCACTT 18


RESULT 1247
US-10-091-281-242
; Sequence 242, Application US/10091281
; Publication No. US20030190617A1
; GENERAL INFORMATION:
;  APPLICANT: RAYMOND, VINCENT
;  APPLICANT:  SI, ERWIN
;  APPLICANT:  MORISETTE, JEAN
;  TITLE OF INVENTION: OPTINEURIN NUCLEIC ACID MOLECULES AND USES THEREOF
;  FILE REFERENCE: 13587.338
;  CURRENT APPLICATION NUMBER: US/10/091,281
;  CURRENT FILING DATE:  2002-03-06
;  NUMBER OF SEQ ID NOS: 463
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 242
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: Putative TANT/TANTIGEN.01 motif
US-10-091-281-242

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        492 GAAGTCCGAGGCATCTGG 509
              |||| |||||||  |||
Db          2 GAAGGCCGAGGCAGGTGG 19


RESULT 1248
US-10-205-309-43/c
; Sequence 43, Application US/10205309
; Publication No. US20030190635A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Alzheimer's Disease Usin
;  TITLE OF INVENTION:  Interfering RNA
;  FILE REFERENCE: 900/033
;  CURRENT APPLICATION NUMBER: US/10/205,309
;  CURRENT FILING DATE:  2002-10-25
;  NUMBER OF SEQ ID NOS: 674
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 43
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense
US-10-205-309-43

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        467 GGGCTGGGGGCCTGCACC 484
              ||| |||||| | |||||
Db         19 GGGGTGGGGGGCAGCACC 2


RESULT 1249
```

```
US-10-205-309-154/c
; Sequence 154, Application US/10205309
; Publication No. US20030190635A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Alzheimer's Disease Using
;  TITLE OF INVENTION:  Interfering RNA
;  FILE REFERENCE: 900/033
;  CURRENT APPLICATION NUMBER: US/10/205,309
;  CURRENT FILING DATE:  2002-10-25
;  NUMBER OF SEQ ID NOS: 674
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 154
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense r
US-10-205-309-154

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1384 AAGAGAGTCAAAACAGAG 1401
             ||||||| |||| ||||
Db         18 AAGAGAGCTAAAAAAGAG 1


RESULT 1250
US-10-205-309-247/c
; Sequence 247, Application US/10205309
; Publication No. US20030190635A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Alzheimer's Disease Using
;  TITLE OF INVENTION:  Interfering RNA
;  FILE REFERENCE: 900/033
;  CURRENT APPLICATION NUMBER: US/10/205,309
;  CURRENT FILING DATE:  2002-10-25
;  NUMBER OF SEQ ID NOS: 674
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 247
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense r
US-10-205-309-247

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1476 AGCCAAAGGGGTCAAGGA 1493
             |||||||||| || ||| |
Db         19 AGCCAAAGGAGTAAAGAA 2


RESULT 1251
US-10-205-309-368
; Sequence 368, Application US/10205309
; Publication No. US20030190635A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Alzheimer's Disease Using
;  TITLE OF INVENTION:  Interfering RNA
;  FILE REFERENCE: 900/033
;  CURRENT APPLICATION NUMBER: US/10/205,309
;  CURRENT FILING DATE:  2002-10-25
;  NUMBER OF SEQ ID NOS: 674
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 368
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
US-10-205-309-368

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   77.8%;  Pred. No. 8.8e+02;
  Matches   14;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        467 GGGCTGGGGGCCTGCACC 484
              ||| :||||| | |||||
Db          1 GGGGUGGGGGGCAGCACC 18


RESULT 1252
US-10-205-309-479
; Sequence 479, Application US/10205309
; Publication No. US20030190635A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Alzheimer's Disease Usin
;  TITLE OF INVENTION:  Interfering RNA
;  FILE REFERENCE: 900/033
;  CURRENT APPLICATION NUMBER: US/10/205,309
;  CURRENT FILING DATE:  2002-10-25
;  NUMBER OF SEQ ID NOS: 674
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 479
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
US-10-205-309-479

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1384 AAGAGAGTCAAAACAGAG 1401
             ||||||| |||| ||||
Db          2 AAGAGAGCUAAAAAAGAG 19


RESULT 1253
US-10-205-309-572
; Sequence 572, Application US/10205309
; Publication No. US20030190635A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Alzheimer's Disease Usin
;  TITLE OF INVENTION:  Interfering RNA
;  FILE REFERENCE: 900/033
;  CURRENT APPLICATION NUMBER: US/10/205,309
;  CURRENT FILING DATE:  2002-10-25
;  NUMBER OF SEQ ID NOS: 674
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 572
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
US-10-205-309-572

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
```

```
  Best Local Similarity   77.8%;  Pred. No. 8.8e+02;
  Matches   14;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1476 AGCCAAAGGGGTCAAGGA 1493
              ||||||||| |: ||| |
Db          1 AGCCAAAGGAGUAAAGAA 18


RESULT 1254
US-10-360-705-51/c
; Sequence 51, Application US/10360705
; Publication No. US20030215843A1
; GENERAL INFORMATION:
;  APPLICANT: ASSISTANCE PUBLIQUE-HOPITAUX DE PARIS
;  APPLICANT:  POUPON, Raoul
;  APPLICANT:  HERMELIN, Brigitte
;  APPLICANT:  ROSMORDUC, Olivier
;  TITLE OF INVENTION: SCREENING OF A NOVEL HEPATIC SYNDROME AND ITS USES
;  FILE REFERENCE: 45636-5064
;  CURRENT APPLICATION NUMBER: US/10/360,705
;  CURRENT FILING DATE:  2003-02-10
;  PRIOR APPLICATION NUMBER: PCT/FR01/02553
;  PRIOR FILING DATE: 2001-08-06
;  NUMBER OF SEQ ID NOS: 66
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 51
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: MDR3-SENS21
US-10-360-705-51

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        283 AAATTCTTGCGCTCCATC 300
              |||| | |||||||||  |
Db         18 AAATGCATGCGCTCCAGC 1


RESULT 1255
US-10-329-130-1
; Sequence 1, Application US/10329130
; Publication No. US20030219724A1
;   GENERAL INFORMATION:
;        APPLICANT: O'Mahony, Daniel J
;        TITLE OF INVENTION: Peptides Which Enhance Transport Across
;                            Tissues and Methods of Identifying and Using the Same
;        NUMBER OF SEQUENCES: 17
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Mary L. Severson, Ph.D., Esq.
;             STREET: 1300 Gould Drive
;             CITY: Gainesville
;             STATE: GA
;             COUNTRY: USA
;             ZIP: 30504
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/329,130
;             FILING DATE: 23-Dec-2002
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/08/746,411
;             FILING DATE: 08-NOV-1996
;             APPLICATION NUMBER: US 60/006461
;             FILING DATE: 10-NOV-1995
;             APPLICATION NUMBER: IE 950865
;             FILING DATE: 10-NOV-1995
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Severson, Mary L
;             REGISTRATION NUMBER: 34,927
;             REFERENCE/DOCKET NUMBER: 96.1060.US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 770 534-8239
;             TELEFAX: 770 534-8247
;   INFORMATION FOR SEQ ID NO: 1:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 19 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: other nucleic acid
;             DESCRIPTION: /desc = "gene VIII primer ELN 71"
;        SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-329-130-1

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1460 AGGAGGAGAAGCCAGAAG 1477
              || || ||||||| ||||
Db          1 AGTAGCAGAAGCCTGAAG 18


RESULT 1256
US-10-271-602B-147/c
; Sequence 147, Application US/10271602B
; Publication No. US20040002073A1
; GENERAL INFORMATION:
;  APPLICANT: Alice Xiang Li
;  APPLICANT:  Ghazala Hashmi
;  APPLICANT:  Michael Seul
;  TITLE OF INVENTION: MULTIPLEXED ANALYSIS OF POLYMORPHIC LOCI
;  TITLE OF INVENTION:  BY CONCURRENT INTERROGATION AND ENZYME-MEDIATED DETECTION
;  FILE REFERENCE: eMAP-US
;  CURRENT APPLICATION NUMBER: US/10/271,602B
;  CURRENT FILING DATE:  2002-10-15
;  PRIOR APPLICATION NUMBER: 60/329,427
;  PRIOR FILING DATE: 2001-10-14
;  PRIOR APPLICATION NUMBER: 60/329,620
;  PRIOR FILING DATE: 2001-10-15
;  PRIOR APPLICATION NUMBER: 60/329,428
;  PRIOR FILING DATE: 2001-10-14
;  PRIOR APPLICATION NUMBER: 60/329,619
;  PRIOR FILING DATE: 2001-10-15
;  PRIOR APPLICATION NUMBER: 60/364,416
;  PRIOR FILING DATE: 2002-03-14
;  NUMBER OF SEQ ID NOS: 212
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 147
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Human
US-10-271-602B-147

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        366 AGTATTCGATGGCCTGTT 383
              ||||||| ||| ||| ||
Db         19 AGTATTCCATGTCCTATT 2


RESULT 1257
US-10-349-143-4050/c
; Sequence 4050, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
```

```
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 4050
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-12926 for SEQ 116,
US-10-349-143-4050

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1584 TTCTATTTCTCTGTGTAT 1601
              || |||| ||||||| ||
Db         18 TTTTATTGCTCTGTGCAT 1


RESULT 1258
US-10-349-143-4973/c
; Sequence 4973, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 4973
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-1955 for SEQ 1039,
US-10-349-143-4973

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1587 TATTTCTCTGTGTATTTA 1604
              |||||||||| |  ||||
Db         18 TATTTCTCTGGGCTTTTA 1


RESULT 1259
US-10-349-143-6092/c
; Sequence 6092, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 6092
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-8872 for SEQ 2158,
US-10-349-143-6092

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1119 CCAGAACACGAATGAGTA 1136
              |||||||| || ||| |
Db         19 CCAGAACACCAAAGAGAA 2


RESULT 1260
US-10-349-143-7300
; Sequence 7300, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 7300
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-3524 for SEQ 3366,
US-10-349-143-7300
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```
  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1394 AAACAGAGGATGAAAAAG 1411
              ||| |||||| ||||| |
Db          2 AAAGAGAGGAAGAAAAGG 19


RESULT 1261
US-10-349-143-7654
 Sequence 7654, Application US/10349143
 Publication No. US20040005584A1
 GENERAL INFORMATION:
  APPLICANT: Cohen, Daniel
  APPLICANT:  Blumenfeld, Marta
  APPLICANT:  Chumakov, Ilya
  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
  FILE REFERENCE: GENSET.020CP1
  CURRENT APPLICATION NUMBER: US/10/349,143
  CURRENT FILING DATE:  2003-01-21
  PRIOR APPLICATION NUMBER: US/09/422,978
  PRIOR FILING DATE: 1999-10-20
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
  NUMBER OF SEQ ID NOS: 11796
 SEQ ID NO 7654
   LENGTH: 19
   TYPE: DNA
   ORGANISM: Homo Sapiens
   FEATURE:
   NAME/KEY: primer_bind
   LOCATION: 1..19
   OTHER INFORMATION: upstream amplification primer 99-9915 for SEQ 3720,
US-10-349-143-7654

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        889 CTAACTATCAAAGGACAC 906
              |||||||| |||||| |
Db          2 CTAACTATGTAAGGACTC 19


RESULT 1262
US-10-349-143-8884
 Sequence 8884, Application US/10349143
 Publication No. US20040005584A1
 GENERAL INFORMATION:
  APPLICANT: Cohen, Daniel
  APPLICANT:  Blumenfeld, Marta
  APPLICANT:  Chumakov, Ilya
  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
  FILE REFERENCE: GENSET.020CP1
  CURRENT APPLICATION NUMBER: US/10/349,143
  CURRENT FILING DATE:  2003-01-21
  PRIOR APPLICATION NUMBER: US/09/422,978
  PRIOR FILING DATE: 1999-10-20
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
  NUMBER OF SEQ ID NOS: 11796
 SEQ ID NO 8884
   LENGTH: 19
   TYPE: DNA
   ORGANISM: Homo Sapiens
   FEATURE:
   NAME/KEY: primer_bind
   LOCATION: 1..19
   OTHER INFORMATION: downstream amplification primer 99-18982 for SEQ 1019, in comple
US-10-349-143-8884

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        847 GGCTCAGACTCCCTATCT 864
              |||| ||||||| ||| |
Db          1 GGCTTAGACTCCATATTT 18


RESULT 1263
US-10-104-603-1
; Sequence 1, Application US/10104603
; Publication No. US20040023204A1
;   GENERAL INFORMATION:
;        APPLICANT: O'Mahony, Daniel J
;                   Alverez, Vernon L
;                   Seveso, Michela
;        TITLE OF INVENTION: Peptides Which Enhance Transport Across
;                            Tissues and Methods of Identifying and Using the Same
;        NUMBER OF SEQUENCES: 33
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Mary L. Severson, Ph.D., Esq.
;             STREET: 1300 Gould Drive
;             CITY: Gainesville
;             STATE: GA
;             COUNTRY: USA
;             ZIP: 30504
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/104,603
;             FILING DATE: 22-Mar-2002
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/08/857,046
;             FILING DATE: 15-MAY-1997
;             APPLICATION NUMBER: US 60/006461
;             FILING DATE: 10-NOV-1995
;             APPLICATION NUMBER: IE 950864
;             FILING DATE: 10-NOV-1995
;             APPLICATION NUMBER: US 08/746,411
;             FILING DATE: 08-NOV-1996
;             APPLICATION NUMBER: WO PCT/IE96/00073
;             FILING DATE: 11-NOV-1996
;             APPLICATION NUMBER: WO PCT/IE96/00072
;             FILING DATE: 11-NOV-1996
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Severson, Mary L
;             REGISTRATION NUMBER: 34,927
;             REFERENCE/DOCKET NUMBER: 97.1061.US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 770 534-8239
;             TELEFAX: 770 534-8247
;   INFORMATION FOR SEQ ID NO: 1:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 19 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: other nucleic acid
;             DESCRIPTION: /desc = "gene VIII primer ELN 71"
;        SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-104-603-1
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  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1460 AGGAGGAGAAGCCAGAAG 1477
              || || ||||||| ||||
Db          1 AGTAGCAGAAGCCTGAAG 18


RESULT 1264
US-10-444-795B-396
; Sequence 396, Application US/10444795B
; Publication No. US20040077574A1
; GENERAL INFORMATION:
;  APPLICANT: Klinghoffer, Richard
;  APPLICANT:  Lewis, Stephen Patrick
;  TITLE OF INVENTION: MODULATION OF BIOLOGICAL SIGNAL
;  TITLE OF INVENTION:  TRANSDUCTION BY RNA INTERFERENCE
;  FILE REFERENCE: 200125.449
;  CURRENT APPLICATION NUMBER: US/10/444,795B
;  CURRENT FILING DATE:  2003-05-23
;  NUMBER OF SEQ ID NOS: 842
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 396
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Small interfering RNA
US-10-444-795B-396

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   55.6%;  Pred. No. 8.8e+02;
  Matches   10;  Conservative    5;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        181 AATTTGCTGCTCAACTAT 198
              ||:: ||:|| || |:|:
Db          1 AAUUAGCUGCACAUCUAU 18


RESULT 1265
US-10-255-120-451
; Sequence 451, Application US/10255120
; Publication No. US20040091865A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Helicobacter pylori, strain J99 complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/255,120
;  CURRENT FILING DATE:  2002-11-19
;  NUMBER OF SEQ ID NOS: 903
;  SOFTWARE: Proprietary
; SEQ ID NO 451
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Helicobacter pylori, strain J99 complete genome.
;   FEATURE:
;   LOCATION: (777547)...(777565)
;   OTHER INFORMATION: Chromosome = 1  Strand = negative  ConnectronObjectNumber =   672
US-10-255-120-451

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1393 AAAACAGAGGATGAAAAA 1410
              |||| ||||  |||||||
Db          2 AAAAAAGAGCTTGAAAAA 19


RESULT 1266
US-10-680-341-43/c
; Sequence 43, Application US/10680341
; Publication No. US20040091923A1
; GENERAL INFORMATION:
;  APPLICANT: Reyes, Antonio A.
;  APPLICANT:  Wallace, Robert B.
;  APPLICANT:  Ugozzoli, Luis A
;  TITLE OF INVENTION: Linked Linear Amplification of Nucleic Acids
;  FILE REFERENCE: 3239-0105P
;  CURRENT APPLICATION NUMBER: US/10/680,341
;  CURRENT FILING DATE:  2003-10-06
;  NUMBER OF SEQ ID NOS: 83
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 43
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (19)
;   OTHER INFORMATION: "NON-REPLICABLE ELEMENT"-  ATC
US-10-680-341-43

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        808 ATGGAGATGTTCCAGCCT 825
              |||| | |||||| ||||
Db         19 ATGGTGTTGTTCCTGCCT 2


RESULT 1267
US-10-466-347-10
; Sequence 10, Application US/10466347
; Publication No. US20040109849A1
; GENERAL INFORMATION:
;  APPLICANT: Fazio, Vito M.
;  TITLE OF INVENTION: DNA VACCINES EXPRESSING HYPERVARIABLE VH-CDR3 IDIOTYPIC DETERMINA
;  FILE REFERENCE: 02901/000N028-US0
;  CURRENT APPLICATION NUMBER: US/10/466,347
;  CURRENT FILING DATE:  2003-12-08
;  PRIOR APPLICATION NUMBER: PCT/IT01/00014
;  PRIOR FILING DATE: 2002-07-18
;  NUMBER OF SEQ ID NOS: 17
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: PCR primer
US-10-466-347-10

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        774 TGAGGCCATTTTCAAGCC 791
              ||||||  ||||| ||||
Db          1 TGAGGCTCTTTTCCAGCC 18


RESULT 1268
US-10-620-576-11/c
; Sequence 11, Application US/10620576
; Publication No. US20040132984A1
; GENERAL INFORMATION:
;  APPLICANT: DIECKMANN, ANDREAS
;  APPLICANT:  LOFBERG, ROBERT
;  APPLICANT:  VON STEIN, OLIVER
;  APPLICANT:  VON STEIN, PETRA
;  TITLE OF INVENTION: ANTISENSE COMPOUNDS, METHODS AND COMPOSITIONS FOR
;  TITLE OF INVENTION:  TREATING NGAL-RELATED INFLAMMATORY DISORDERS
```

FILE REFERENCE: 1506-1035-1
CURRENT APPLICATION NUMBER: US/10/620,576
CURRENT FILING DATE: 2003-07-17
PRIOR APPLICATION NUMBER: 60/407,954
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: SE 0202244-0
PRIOR FILING DATE: 2002-07-17
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 3.2
SEQ ID NO 11
LENGTH: 19
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: antisense oligonucleotide
/S-10-620-576-11

Query Match 0.6%; Score 13.2; DB 1; Length 19;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

/y 1695 CCACCTTGCCACCCATTC 1712
|||| |||||||||| |
/b 19 CCACAGTGCCACCCATGC 2

/ESULT 1269
/S-10-665-951-172
Sequence 172, Application US/10665951
Publication No. US20040138163A1
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
APPLICANT: Pavco, Pamela
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
TITLE OF INVENTION: Growth Factor and Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (siNA)
FILE REFERENCE: 400/131 (MBHB02-742-F)
CURRENT APPLICATION NUMBER: US/10/665,951
CURRENT FILING DATE: 2003-09-18
PRIOR APPLICATION NUMBER: US 10/664,668
PRIOR FILING DATE: 2003-09-18
PRIOR APPLICATION NUMBER: PCT/US 03/05022
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/399,348
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: US 10/287,949
PRIOR FILING DATE: 2002-11-04
PRIOR APPLICATION NUMBER: US 10/306,747
PRIOR FILING DATE: 2002-11-27
PRIOR APPLICATION NUMBER: PCT/US 02/17674
PRIOR FILING DATE: 2002-05-29
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 2455
SOFTWARE: PatentIn version 3.2
SEQ ID NO 172
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense r
US-10-665-951-172

Query Match 0.6%; Score 13.2; DB 1; Length 19;
Best Local Similarity 77.8%; Pred. No. 8.8e+02;
Matches 14; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1737 AAAGGGTGCCAGGTCTGG 1754
||| || |||||| |:||
Db 2 AAAUGGAGCCAGGCCUGG 19

RESULT 1270
US-10-665-951-599/c
; Sequence 599, Application US/10665951
; Publication No. US20040138163A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: McSwiggen, James
; APPLICANT: Beigelman, Leonid
; APPLICANT: Pavco, Pamela
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
; TITLE OF INVENTION: Growth Factor and Vascular Endothelial Growth Factor Receptor
; TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (siNA)
; FILE REFERENCE: 400/131 (MBHB02-742-F)
; CURRENT APPLICATION NUMBER: US/10/665,951
; CURRENT FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: US 10/664,668
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: PCT/US 03/05022
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: US 60/399,348
; PRIOR FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: US 60/393,796
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: US 10/287,949
; PRIOR FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: US 10/306,747
; PRIOR FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: PCT/US 02/17674
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/386,782
; PRIOR FILING DATE: 2002-06-06
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2455
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 599
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-665-951-599

Query Match 0.6%; Score 13.2; DB 1; Length 19;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1737 AAAGGGTGCCAGGTCTGG 1754
||| || |||||| ||||
Db 18 AAATGGAGCCAGGCCTGG 1

RESULT 1271
US-10-665-951-924
; Sequence 924, Application US/10665951
; Publication No. US20040138163A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: McSwiggen, James
; APPLICANT: Beigelman, Leonid
; APPLICANT: Pavco, Pamela

```
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
;  TITLE OF INVENTION:  Growth Factor and Vascular Endothelial Growth Factor Receptor
;  TITLE OF INVENTION:  Gene Expression Using Short Interfering Nucleic Acid (siNA)
;  FILE REFERENCE: 400/131 (MBHB02-742-F)
;  CURRENT APPLICATION NUMBER: US/10/665,951
;  CURRENT FILING DATE:  2003-09-18
;  PRIOR APPLICATION NUMBER: US 10/664,668
;  PRIOR FILING DATE: 2003-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 03/05022
;  PRIOR FILING DATE: 2003-02-20
;  PRIOR APPLICATION NUMBER: US 60/399,348
;  PRIOR FILING DATE: 2002-07-29
;  PRIOR APPLICATION NUMBER: US 60/393,796
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: US 10/287,949
;  PRIOR FILING DATE: 2002-11-04
;  PRIOR APPLICATION NUMBER: US 10/306,747
;  PRIOR FILING DATE: 2002-11-27
;  PRIOR APPLICATION NUMBER: PCT/US 02/17674
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 60/363,124
;  PRIOR FILING DATE: 2002-03-11
;  PRIOR APPLICATION NUMBER: US 60/386,782
;  PRIOR FILING DATE: 2002-06-06
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 2455
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 924
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target Sequence/siNA sense r
US-10-665-951-924

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   77.8%;  Pred. No. 8.8e+02;
  Matches   14;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        253 ATGACCAAGTACCACAGC 270
              |:|||||| |  |||||
Db          1 AUGACCAAGAAGAACAGC 18


RESULT 1272
US-10-665-951-1248/c
; Sequence 1248, Application US/10665951
; Publication No. US20040138163A1
; GENERAL INFORMATION:
;  APPLICANT: Sirna Therapeutics, Inc.
;  APPLICANT:  McSwiggen, James
;  APPLICANT:  Beigelman, Leonid
;  APPLICANT:  Pavco, Pamela
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
;  TITLE OF INVENTION:  Growth Factor and Vascular Endothelial Growth Factor Receptor
;  TITLE OF INVENTION:  Gene Expression Using Short Interfering Nucleic Acid (siNA)
;  FILE REFERENCE: 400/131 (MBHB02-742-F)
;  CURRENT APPLICATION NUMBER: US/10/665,951
;  CURRENT FILING DATE:  2003-09-18
;  PRIOR APPLICATION NUMBER: US 10/664,668
;  PRIOR FILING DATE: 2003-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 03/05022
;  PRIOR FILING DATE: 2003-02-20
;  PRIOR APPLICATION NUMBER: US 60/399,348
;  PRIOR FILING DATE: 2002-07-29
;  PRIOR APPLICATION NUMBER: US 60/393,796
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: US 10/287,949
;  PRIOR FILING DATE: 2002-11-04
;  PRIOR APPLICATION NUMBER: US 10/306,747
;  PRIOR FILING DATE: 2002-11-27
;  PRIOR APPLICATION NUMBER: PCT/US 02/17674
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 60/363,124
;  PRIOR FILING DATE: 2002-03-11
;  PRIOR APPLICATION NUMBER: US 60/386,782
;  PRIOR FILING DATE: 2002-06-06
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 2455
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1248
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
US-10-665-951-1248

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        253 ATGACCAAGTACCACAGC 270
              |||||||| |  |||||
Db         19 ATGACCAAGAAGAACAGC 2


RESULT 1273
US-10-665-951-1716/c
; Sequence 1716, Application US/10665951
; Publication No. US20040138163A1
; GENERAL INFORMATION:
;  APPLICANT: Sirna Therapeutics, Inc.
;  APPLICANT:  McSwiggen, James
;  APPLICANT:  Beigelman, Leonid
;  APPLICANT:  Pavco, Pamela
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
;  TITLE OF INVENTION:  Growth Factor and Vascular Endothelial Growth Factor Receptor
;  TITLE OF INVENTION:  Gene Expression Using Short Interfering Nucleic Acid (siNA)
;  FILE REFERENCE: 400/131 (MBHB02-742-F)
;  CURRENT APPLICATION NUMBER: US/10/665,951
;  CURRENT FILING DATE:  2003-09-18
;  PRIOR APPLICATION NUMBER: US 10/664,668
;  PRIOR FILING DATE: 2003-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 03/05022
;  PRIOR FILING DATE: 2003-02-20
;  PRIOR APPLICATION NUMBER: US 60/399,348
;  PRIOR FILING DATE: 2002-07-29
;  PRIOR APPLICATION NUMBER: US 60/393,796
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: US 10/287,949
;  PRIOR FILING DATE: 2002-11-04
;  PRIOR APPLICATION NUMBER: US 10/306,747
;  PRIOR FILING DATE: 2002-11-27
;  PRIOR APPLICATION NUMBER: PCT/US 02/17674
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 60/363,124
;  PRIOR FILING DATE: 2002-03-11
;  PRIOR APPLICATION NUMBER: US 60/386,782
;  PRIOR FILING DATE: 2002-06-06
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 2455
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1716
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target Sequence/siNA sense r
US-10-665-951-1716
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  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1976 CCTGCCCTCTGTCTGTCT 1993
              ||  ||| ||||||||||
Db         19 CCATCCCACTGTCTGTCT 2


RESULT 1274
US-10-665-951-1721/c
  Sequence 1721, Application US/10665951
  Publication No. US20040138163A1
  GENERAL INFORMATION:
   APPLICANT: Sirna Therapeutics, Inc.
   APPLICANT:  McSwiggen, James
   APPLICANT:  Beigelman, Leonid
   APPLICANT:  Pavco, Pamela
   TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
   TITLE OF INVENTION:  Growth Factor and Vascular Endothelial Growth Factor Receptor
   TITLE OF INVENTION:  Gene Expression Using Short Interfering Nucleic Acid (siNA)
   FILE REFERENCE: 400/131 (MBHB02-742-F)
   CURRENT APPLICATION NUMBER: US/10/665,951
   CURRENT FILING DATE:  2003-09-18
   PRIOR APPLICATION NUMBER: US 10/664,668
   PRIOR FILING DATE: 2003-09-18
   PRIOR APPLICATION NUMBER: PCT/US 03/05022
   PRIOR FILING DATE: 2003-02-20
   PRIOR APPLICATION NUMBER: US 60/399,348
   PRIOR FILING DATE: 2002-07-29
   PRIOR APPLICATION NUMBER: US 60/393,796
   PRIOR FILING DATE: 2002-07-03
   PRIOR APPLICATION NUMBER: US 10/287,949
   PRIOR FILING DATE: 2002-11-04
   PRIOR APPLICATION NUMBER: US 10/306,747
   PRIOR FILING DATE: 2002-11-27
   PRIOR APPLICATION NUMBER: PCT/US 02/17674
   PRIOR FILING DATE: 2002-05-29
   PRIOR APPLICATION NUMBER: US 60/358,580
   PRIOR FILING DATE: 2002-02-20
   PRIOR APPLICATION NUMBER: US 60/363,124
   PRIOR FILING DATE: 2002-03-11
   PRIOR APPLICATION NUMBER: US 60/386,782
   PRIOR FILING DATE: 2002-06-06
   Remaining Prior Application data removed - See File Wrapper or PALM.
   NUMBER OF SEQ ID NOS: 2455
   SOFTWARE: PatentIn version 3.2
 SEQ ID NO 1721
    LENGTH: 19
    TYPE: RNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Description of Artificial Sequence:  Target Sequence/siNA sense r
US-10-665-951-1721

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1973 CTGCCTGCCCTCTGTCTG 1990
              ||||||  | ||||  ||||
Db         18 CTGCCTTCTCTCTCTCTG 1


RESULT 1275
US-10-665-951-1963
; Sequence 1963, Application US/10665951
; Publication No. US20040138163A1
; GENERAL INFORMATION:
;  APPLICANT: Sirna Therapeutics, Inc.
;  APPLICANT:  McSwiggen, James
;  APPLICANT:  Beigelman, Leonid
;  APPLICANT:  Pavco, Pamela
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
;  TITLE OF INVENTION:  Growth Factor and Vascular Endothelial Growth Factor Receptor
;  TITLE OF INVENTION:  Gene Expression Using Short Interfering Nucleic Acid (siNA)
;  FILE REFERENCE: 400/131 (MBHB02-742-F)
;  CURRENT APPLICATION NUMBER: US/10/665,951
;  CURRENT FILING DATE:  2003-09-18
;  PRIOR APPLICATION NUMBER: US 10/664,668
;  PRIOR FILING DATE: 2003-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 03/05022
;  PRIOR FILING DATE: 2003-02-20
;  PRIOR APPLICATION NUMBER: US 60/399,348
;  PRIOR FILING DATE: 2002-07-29
;  PRIOR APPLICATION NUMBER: US 60/393,796
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: US 10/287,949
;  PRIOR FILING DATE: 2002-11-04
;  PRIOR APPLICATION NUMBER: US 10/306,747
;  PRIOR FILING DATE: 2002-11-27
;  PRIOR APPLICATION NUMBER: PCT/US 02/17674
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 60/363,124
;  PRIOR FILING DATE: 2002-03-11
;  PRIOR APPLICATION NUMBER: US 60/386,782
;  PRIOR FILING DATE: 2002-06-06
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 2455
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1963
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
US-10-665-951-1963

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   55.6%;  Pred. No. 8.8e+02;
  Matches   10;  Conservative    5;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1976 CCTGCCCTCTGTCTGTCT 1993
              ||  ||| |:|:|:|:|:
Db          1 CCAUCCCACUGUCUGUCU 18


RESULT 1276
US-10-665-951-1968
; Sequence 1968, Application US/10665951
; Publication No. US20040138163A1
; GENERAL INFORMATION:
;  APPLICANT: Sirna Therapeutics, Inc.
;  APPLICANT:  McSwiggen, James
;  APPLICANT:  Beigelman, Leonid
;  APPLICANT:  Pavco, Pamela
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
;  TITLE OF INVENTION:  Growth Factor and Vascular Endothelial Growth Factor Receptor
;  TITLE OF INVENTION:  Gene Expression Using Short Interfering Nucleic Acid (siNA)
;  FILE REFERENCE: 400/131 (MBHB02-742-F)
;  CURRENT APPLICATION NUMBER: US/10/665,951
;  CURRENT FILING DATE:  2003-09-18
;  PRIOR APPLICATION NUMBER: US 10/664,668
;  PRIOR FILING DATE: 2003-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 03/05022
;  PRIOR FILING DATE: 2003-02-20
;  PRIOR APPLICATION NUMBER: US 60/399,348
;  PRIOR FILING DATE: 2002-07-29
;  PRIOR APPLICATION NUMBER: US 60/393,796
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: US 10/287,949
;  PRIOR FILING DATE: 2002-11-04
;  PRIOR APPLICATION NUMBER: US 10/306,747
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;  PRIOR FILING DATE: 2002-11-27
;  PRIOR APPLICATION NUMBER: PCT/US 02/17674
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 60/363,124
;  PRIOR FILING DATE: 2002-03-11
;  PRIOR APPLICATION NUMBER: US 60/386,782
;  PRIOR FILING DATE: 2002-06-06
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 2455
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1968
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
US-10-665-951-1968

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   50.0%;  Pred. No. 8.8e+02;
  Matches    9;  Conservative    6;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1973 CTGCCTGCCCTCTGTCTG 1990
              |:|||: | |:|: :|:|
Db          2 CUGCCUUCUCUCUCUCUG 19


RESULT 1277
US-10-480-276-21
; Sequence 21, Application US/10480276
; Publication No. US20040171015A1
; GENERAL INFORMATION:
;  APPLICANT: I.N.S.E.R.M.
;  TITLE OF INVENTION: CYP450-specific DNA probes and primers, and biological applicatio
;  TITLE OF INVENTION:  thereof
;  FILE REFERENCE: bct010072
;  CURRENT APPLICATION NUMBER: US/10/480,276
;  CURRENT FILING DATE:  2003-12-11
;  NUMBER OF SEQ ID NOS: 42
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 21
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-480-276-21

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 8.8e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1341 GGGAGAGGGGGGCCGCAA 1358
              |||||||||| || || |
Db          1 GGGAGAGGGGCGCAGCTA 18


RESULT 1278
US-08-954-771-28
; Sequence 28, Application US/08954771
; Publication No. US20030054437A1
;  GENERAL INFORMATION:
;    APPLICANT:  Ingham, Phillip W.
;    APPLICANT:  McMahon, Andrew P.
;    APPLICANT:  Tabin, Clifford J.
;    TITLE OF INVENTION:  Vertebrate Embryonic Pattern-Inducing
;    TITLE OF INVENTION:  Proteins and Uses Related Thereto
;    NUMBER OF SEQUENCES:  48
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  FOLEY, HOAG & ELIOT LLP
;      STREET:  One Post Office Square
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02109-2170
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/954,771
;      FILING DATE:  20-OCT-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/462,386
;      FILING DATE:  05-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/435,093
;      FILING DATE:  04-MAY-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/356,060
;      FILING DATE:  14-DEC-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/176,427
;      FILING DATE:  30-DEC-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Vincent, Matthew P.
;      REGISTRATION NUMBER:  36,709
;      REFERENCE/DOCKET NUMBER:  HMV-006.11
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-832-1000
;      TELEFAX:  617-832-7000
;  INFORMATION FOR SEQ ID NO:  28:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-954-771-28

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1436 AAGTCACCGAAGAGGAGA 1453
              |||||| |  ||||||||
Db          1 AAGTCAGCCCAGAGGAGA 18


RESULT 1279
US-08-462-386D-28
; Sequence 28, Application US/08462386D
; Publication No. US20030186357A1
;  GENERAL INFORMATION:
;    APPLICANT:  Ingham, Phillip W.
;    APPLICANT:  McMahon, Andrew P.
;    APPLICANT:  Tabin, Clifford J.
;    TITLE OF INVENTION:  Vertebrate Tissue Pattern-Inducing
;    TITLE OF INVENTION:  Proteins and Uses Related Thereto
;    NUMBER OF SEQUENCES:  47
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  LAHIVE & COCKFIELD
;      STREET:  60 State Street, Suite 510
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  ASCII(text)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/462,386D
;      FILING DATE:  5-JUNE-1995
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    PRIOR APPLICATION DATA:
      APPLICATION NUMBER:  US 08/435,093
      FILING DATE:  4-MAY-1995
    PRIOR APPLICATION DATA:
      APPLICATION NUMBER:  US 08/356,060
      FILING DATE:  14-DEC-1994
    PRIOR APPLICATION DATA:
      APPLICATION NUMBER:  US 08/176,427
      FILING DATE:  30-DEC-1993
    ATTORNEY/AGENT INFORMATION:
      NAME:  Vincent, Matthew P.
      REGISTRATION NUMBER:  36,709
      REFERENCE/DOCKET NUMBER:  HMI-006CP3
    TELECOMMUNICATION INFORMATION:
      TELEPHONE:  (617) 227-7400
      TELEFAX:  (617) 227-5941
  INFORMATION FOR SEQ ID NO:  28:
    SEQUENCE CHARACTERISTICS:
      LENGTH:  20 base pairs
      TYPE:  nucleic acid
      STRANDEDNESS:  single
      TOPOLOGY:  linear
    MOLECULE TYPE:  cDNA
US-08-462-386D-28

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1436 AAGTCACCGAAGAGGAGA 1453
              |||||| |  ||||||||
Db          1 AAGTCAGCCCAGAGGAGA 18


RESULT 1280
US-09-785-474-6
; Sequence 6, Application US/09785474
; Patent No. US20010012626A1
;   GENERAL INFORMATION:
;       APPLICANT: TANZI, RUDOLPH
;                  WASCO, WILMA
;       TITLE OF INVENTION: Genetic Alterations Related To Familial
;                           Alzheimer's Disease
;       NUMBER OF SEQUENCES: 32
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
;            STREET: 1100 NEW YORK AVENUE, SUITE 600
;            CITY: WASHINGTON
;            STATE: DC
;            COUNTRY: USA
;            ZIP: 20005-3934
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/785,474
;            FILING DATE: 20-Feb-2001
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/706,344
;            FILING DATE: 30-AUG-1996
;            APPLICATION NUMBER: 60/003,054
;            FILING DATE: 31-AUG-1995
;       ATTORNEY/AGENT INFORMATION:
;            NAME: KIM, JUDITH U.
;            REGISTRATION NUMBER: 40,679
;            REFERENCE/DOCKET NUMBER: 0609.4180002
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 202-371-2600
;            TELEFAX: 202-371-2540
;   INFORMATION FOR SEQ ID NO: 6:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 20 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA (genomic)
;       SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-785-474-6

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        414 TGTGGCAAGTGCTGTGAA 431
              || | ||||||| |||||
Db          3 TGAGACAAGTGCCGTGAA 20


RESULT 1281
US-09-216-393-285/c
; Sequence 285, Application US/09216393
; Patent No. US20010014447A1
; GENERAL INFORMATION:
;  APPLICANT: Milhausen, Michael James
;  TITLE OF INVENTION: TOXOPLASMA GONDII PROTEINS, NUCLEIC ACID MOLECULES, AND
;  TITLE OF INVENTION: USES THEREOF
;  FILE REFERENCE: TX-1-C2
;  CURRENT APPLICATION NUMBER: US/09/216,393
;  CURRENT FILING DATE: 1998-12-18
;  EARLIER APPLICATION NUMBER: 08/994,825
;  EARLIER FILING DATE: 1997-12-19
;  NUMBER OF SEQ ID NOS: 364
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 285
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Synthetic
;   OTHER INFORMATION: Primer
US-09-216-393-285

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        807 AATGGAGATGTTCCAGCC 824
              ||||| |||||||  |||
Db         19 AATGGTGATGTTCTCGCC 2


RESULT 1282
US-09-752-983-237/c
; Sequence 237, Application US/09752983
; Patent No. US20010016575A1
;  GENERAL INFORMATION:
;    APPLICANT:  Loren J. Miraglia, Pamela Nero, Mark J.
;    APPLICANT:  Graham, Brett P. Monia
;    TITLE OF INVENTION:  ANTISENSE MODULATION OF HUMAN MDM2
;    TITLE OF INVENTION:  EXPRESSION
;    NUMBER OF SEQUENCES:  271
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Jane Massey Licata
;      STREET:  66 East Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  U.S.A.
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PC
;      OPERATING SYSTEM:  WINDOWS 95
;      SOFTWARE:  WORDPERFECT 6.0
```

```
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/752,983
;      FILING DATE:  02-Jan-2001
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  09/280,805
;      FILING DATE:  <Unknown>
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Licata, Jane Massey
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0346
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  609-810-1515
;      TELEFAX:  609-810-1454
;  INFORMATION FOR SEQ ID NO:  237:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
JS-09-752-983-237

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1613 TTTATTAAATATAAATAT 1630
              ||| |||||||| ||||
Db         19 TTTCTTAAATATGTATAT 2


RESULT 1283
JS-09-752-983-246
; Sequence 246, Application US/09752983
; Patent No. US20010016575A1
;  GENERAL INFORMATION:
;    APPLICANT:  Loren J. Miraglia, Pamela Nero, Mark J.
;    APPLICANT:  Graham, Brett P. Monia
;    TITLE OF INVENTION:  ANTISENSE MODULATION OF HUMAN MDM2
;    TITLE OF INVENTION:  EXPRESSION
;    NUMBER OF SEQUENCES:  271
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Jane Massey Licata
;      STREET:  66 East Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  U.S.A.
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PC
;      OPERATING SYSTEM:  WINDOWS 95
;      SOFTWARE:  WORDPERFECT 6.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/752,983
;      FILING DATE:  02-Jan-2001
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  09/280,805
;      FILING DATE:  <Unknown>
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Licata, Jane Massey
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0346
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  609-810-1515
;      TELEFAX:  609-810-1454
;  INFORMATION FOR SEQ ID NO:  246:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-09-752-983-246

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1951 GCCTCAAGTGAGCCAAGA 1968
              || |  ||||||||||||
Db          3 GCTTGCAGTGAGCCAAGA 20


RESULT 1284
US-09-758-881-44
; Sequence 44, Application US/09758881
; Patent No. US20010029250A1
; GENERAL INFORMATION:
;  APPLICANT:  Karras, James G
;  TITLE OF INVENTION:  Antisense Oligonucleotide Modulation of STAT3
;  TITLE OF INVENTION:  Expression
;  FILE REFERENCE:  ISPH-0532
;  CURRENT APPLICATION NUMBER: US/09/758,881
;  CURRENT FILING DATE:  2001-01-11
;  PRIOR APPLICATION NUMBER:  PCT/US00/09054
;  PRIOR FILING DATE:  2000-04-06
;  PRIOR APPLICATION NUMBER:  09/288,461
;  PRIOR FILING DATE:  1999-04-08
;  NUMBER OF SEQ ID NOS:  152
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 44
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-758-881-44

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        497 CCGAGGCATCTGGCTTCT 514
              || |||||| |||| |||
Db          3 CCCAGGCATTTGGCATCT 20


RESULT 1285
US-09-215-652-36
; Sequence 36, Application US/09215652
; Patent No. US20020045165A1
; GENERAL INFORMATION:
;  APPLICANT: Patricia Billing-Medel
;  APPLICANT: Maurice Cohen
;  APPLICANT: Tracey L. Colpitts
;  APPLICANT: Paula N. Friedman
;  APPLICANT: Julian Gordon
;  APPLICANT: Edward N. Granados
;  APPLICANT: Steven C. Hodges
;  APPLICANT: Michael R. Klass
;  APPLICANT: Jon D. Kratochvil
;  APPLICANT: Lisa Roberts-Rapp
;  APPLICANT: John C. Russell
;  APPLICANT: Stephen D. Stroupe
;  TITLE OF INVENTION: Reagents and Methods Useful for Detecting Diseases of the
;  TITLE OF INVENTION: Breast
;  FILE REFERENCE: 6192.US.P1
;  CURRENT APPLICATION NUMBER: US/09/215,652
;  CURRENT FILING DATE: 1998-12-16
;  EARLIER APPLICATION NUMBER: US 08/998,496
;  EARLIER FILING DATE: 1997-12-26
;  NUMBER OF SEQ ID NOS: 48
;  SOFTWARE: FastSEQ for Windows Version 3.0
```

SEQ ID NO 36
LENGTH: 20
TYPE: DNA
ORGANISM: Homo sapiens
/S-09-215-652-36

Query Match 0.6%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1985 TGTCTGTCTTCTCCTAAT 2002
||||||||| |||| ||
Db 3 TGTCTGTCTGGTCCTCAT 20

RESULT 1286
/S-09-305-856B-34/c
Sequence 34, Application US/09305856B
Patent No. US20020061518A1
GENERAL INFORMATION:
APPLICANT: Penny, Laura
APPLICANT: Galvin, Margaret
TITLE OF INVENTION: Genotyping the Human
TITLE OF INVENTION: UDP-Glucuronosyltransferase 1 (UGT1) Gene
FILE REFERENCE: 4389-7 (formerly SEQ-17CIP)
CURRENT APPLICATION NUMBER: US/09/305,856B
CURRENT FILING DATE: 1999-05-05
PRIOR APPLICATION NUMBER: 60/084,807
PRIOR FILING DATE: 1998-05-07
NUMBER OF SEQ ID NOS: 124
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 34
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Primer
S-09-305-856B-34

Query Match 0.6%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1826 AAAGGTGCCCTTATTGAA 1843
||| ||||||| |||||
Db 18 AAAACTGCCCTTCTTGAA 1

RESULT 1287
S-09-911-935A-6/c
Sequence 6, Application US/09911935A
Patent No. US20020081611A1
GENERAL INFORMATION:
APPLICANT: O'Brien, Thomas
APPLICANT: Guo, Yong Jun
TITLE OF INVENTION: ODC Allelic Analysis Method For Assessing Carcinogenic Susceptibi
FILE REFERENCE: 9855-32U2
CURRENT APPLICATION NUMBER: US/09/911,935A
CURRENT FILING DATE: 2001-07-24
PRIOR APPLICATION NUMBER: US 60/122,301
PRIOR FILING DATE: 1999-03-01
PRIOR APPLICATION NUMBER: US 09/516,357
PRIOR FILING DATE: 2000-03-01
NUMBER OF SEQ ID NOS: 32
SOFTWARE: PatentIn version 3.0
SEQ ID NO 6
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(20)
OTHER INFORMATION: Second (nested) pair of primers in Example 1
US-09-911-935A-6

Query Match 0.6%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1556 TCTTCCCCAACCCCTCAG 1573
|||| |||||||| || |
Db 18 TCTTTCCCAACCCTTCGG 1

RESULT 1288
US-09-752-639-140
; Sequence 140, Application US/09752639
; Patent No. US20020091243A1
; GENERAL INFORMATION:
; APPLICANT: Gatanaga, T.
; APPLICANT: Granger, G.A.
; TITLE OF INVENTION: Factors Altering Tumor Necrosis
; TITLE OF INVENTION: Factor Receptor Releasing Enzyme Activity, and Methods
; TITLE OF INVENTION: of Use Thereof
; NUMBER OF SEQUENCES: 154
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 PAGE MILL ROAD
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FastSEQ for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/752,639
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US99/10793
; FILING DATE:
; APPLICATION NUMBER: 09/081,385
; FILING DATE:
; APPLICATION NUMBER: 08/964,747
; FILING DATE: 05-NOV-1997
; APPLICATION NUMBER: 60/030,761
; FILING DATE: 06-NOV-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Wu, Frank
; REGISTRATION NUMBER: 41,386
; REFERENCE/DOCKET NUMBER: 22000-20577.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-813-5600
; TELEFAX: 650-494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 140:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-752-639-140

Query Match 0.6%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1078 CCAGATTTCAAGCTCCAC 1095
||||| ||||| || |||
Db 3 CCAGACTTCAACCTTCAC 20

RESULT 1289

```
US-09-865-579A-13/c
; Sequence 13, Application US/09865579A
; Patent No. US20020098492A1
; GENERAL INFORMATION:
;  APPLICANT: Taya, Toshiki
;  APPLICANT:  Ishiguro, Takahiko
;  APPLICANT:  Saito, Juichi
;  TITLE OF INVENTION: Oligonucleotides and Method for Detection of mecA Gene of
;  TITLE OF INVENTION:  Methicillin Resistant Staphylococcus Aureus
;  FILE REFERENCE: 9558-003-27
;  CURRENT APPLICATION NUMBER: US/09/865,579A
;  CURRENT FILING DATE:  2001-05-29
;  PRIOR APPLICATION NUMBER: JP 2000-163149
;  PRIOR FILING DATE: 2000-05-29
;  PRIOR APPLICATION NUMBER: JP 2000-179394
;  PRIOR FILING DATE: 2000-06-09
;  NUMBER OF SEQ ID NOS: 30
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide capable of binding specifically to mecA gene
;   OTHER INFORMATION: or RNA derived from said gene
US-09-865-579A-13

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1395 AACAGAGGATGAAAAAGA 1412
             ||| || ||| |||||||
Db         19 AACCGAAGATAAAAAAGA 2


RESULT 1290
US-09-865-579A-23/c
; Sequence 23, Application US/09865579A
; Patent No. US20020098492A1
; GENERAL INFORMATION:
;  APPLICANT: Taya, Toshiki
;  APPLICANT:  Ishiguro, Takahiko
;  APPLICANT:  Saito, Juichi
;  TITLE OF INVENTION: Oligonucleotides and Method for Detection of mecA Gene of
;  TITLE OF INVENTION:  Methicillin Resistant Staphylococcus Aureus
;  FILE REFERENCE: 9558-003-27
;  CURRENT APPLICATION NUMBER: US/09/865,579A
;  CURRENT FILING DATE:  2001-05-29
;  PRIOR APPLICATION NUMBER: JP 2000-163149
;  PRIOR FILING DATE: 2000-05-29
;  PRIOR APPLICATION NUMBER: JP 2000-179394
;  PRIOR FILING DATE: 2000-06-09
;  NUMBER OF SEQ ID NOS: 30
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 23
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-09-865-579A-23

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1395 AACAGAGGATGAAAAAGA 1412
             ||| || ||| |||||||
Db         19 AACCGAAGATAAAAAAGA 2


RESULT 1291
US-09-521-524-1
; Sequence 1, Application US/09521524
; Patent No. US20020098571A1
; GENERAL INFORMATION:
;  APPLICANT: Davidson, Beverly L.
;  APPLICANT: Anderson, Richard
;  APPLICANT: Haskell, Ronald
;  APPLICANT: Xia, Haibin
;  TITLE OF INVENTION: Rapid generation of recombinant adenoviral vectors
;  FILE REFERENCE: 875.025US1
;  CURRENT APPLICATION NUMBER: US/09/521,524
;  CURRENT FILING DATE: 2000-03-08
;  NUMBER OF SEQ ID NOS: 3
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Human adenovirus type 5
US-09-521-524-1

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1240 AGTGGCGATGAGGACGAA 1257
             |||| ||| ||||| |||
Db          3 AGTGACGACGAGGATGAA 20


RESULT 1292
US-09-908-500A-3/c
; Sequence 3, Application US/09908500A
; Patent No. US20020102576A1
; GENERAL INFORMATION:
;  APPLICANT: James Loyd
;  APPLICANT:  Kirk B. Lane
;  APPLICANT:  John A. Phillips, III
;  TITLE OF INVENTION: METHOD OF DIAGNOSING PULMONARY
;  TITLE OF INVENTION:  HYPERTENSION
;  FILE REFERENCE: 22000.0108U3
;  CURRENT APPLICATION NUMBER: US/09/908,500A
;  CURRENT FILING DATE:  2001-07-17
;  PRIOR APPLICATION NUMBER: 60/218,740
;  PRIOR FILING DATE: 2000-07-17
;  PRIOR APPLICATION NUMBER: 60/220,133
;  PRIOR FILING DATE: 2000-07-21
;  NUMBER OF SEQ ID NOS: 36
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence; No. US20020102576A1e =
;   OTHER INFORMATION: Syntheic Construct
US-09-908-500A-3

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        244 GCTGAGGAGATGACCAAG 261
              ||||| |||| |||| ||
Db         20 GCTGATGAGAGGACCTAG 3


RESULT 1293
US-09-971-309-24
; Sequence 24, Application US/09971309
; Patent No. US20020106675A1
; GENERAL INFORMATION:
;  APPLICANT: UEMORI, Takashi
;  APPLICANT:  SATO, Yoshimi
```

```
  APPLICANT:  FUJITA, Tomoko
  APPLICANT:  MIYAKE, Kazue
  APPLICANT:  MUKAI, Hiroyuki
  APPLICANT:  ASADA, Kiyozo
  APPLICANT:  KATO, Ikunoshin
  TITLE OF INVENTION: DNA POLYMERASE-RELATED FACTORS
  FILE REFERENCE: 1422-0494P
  CURRENT APPLICATION NUMBER: US/09/971,309
  CURRENT FILING DATE:  2001-10-05
  PRIOR APPLICATION NUMBER: US 09/446,504
  PRIOR FILING DATE: 1999-12-23
  PRIOR APPLICATION NUMBER: PCT/JP98/02845
  PRIOR FILING DATE: 1998-06-24
  PRIOR APPLICATION NUMBER: JP 9-187496
  PRIOR FILING DATE: 1997-06-26
  PRIOR APPLICATION NUMBER: JP 9-320692
  PRIOR FILING DATE: 1997-11-27
  NUMBER OF SEQ ID NOS: 92
  SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 24
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
/S-09-971-309-24

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1934 TTCGTACCTTCCCACTGG 1951
              ||||||| |||| ||||
Db          1 TTCGTACAGTCCCTCTGG 18


RESULT 1294
/S-09-984-198-140
 Sequence 140, Application US/09984198
 Patent No. US20020106679A1
 GENERAL INFORMATION:
   APPLICANT:  Gatanaga, T.
   APPLICANT:  Granger, G.A.
   TITLE OF INVENTION:  Factors Altering Tumor Necrosis
   TITLE OF INVENTION:  Factor Receptor Releasing Enzyme Activity, and Methods
   TITLE OF INVENTION:  of Use Thereof
   NUMBER OF SEQUENCES:  154
   CORRESPONDENCE ADDRESS:
     ADDRESSEE:  MORRISON & FOERSTER
     STREET:  755 PAGE MILL ROAD
     CITY:  Palo Alto
     STATE:  CA
     COUNTRY:  USA
     ZIP:  94304-1018
   COMPUTER READABLE FORM:
     MEDIUM TYPE:  Diskette
     COMPUTER:  IBM Compatible
     OPERATING SYSTEM:  Windows
     SOFTWARE:  FastSEQ for Windows Version 2.0b
   CURRENT APPLICATION DATA:
     APPLICATION NUMBER:  US/09/984,198
     FILING DATE:
     CLASSIFICATION:
   PRIOR APPLICATION DATA:
     APPLICATION NUMBER:  PCT/US99/10793
     FILING DATE:
     APPLICATION NUMBER:  09/081,385
     FILING DATE:
     APPLICATION NUMBER:  08/964,747
     FILING DATE:  05-NOV-1997
     APPLICATION NUMBER:  60/030,761
     FILING DATE:  06-NOV-1996
   ATTORNEY/AGENT INFORMATION:
     NAME:  Wu, Frank
     REGISTRATION NUMBER:  41,386
     REFERENCE/DOCKET NUMBER:  22000-20577.21
   TELECOMMUNICATION INFORMATION:
     TELEPHONE:  650-813-5600
     TELEFAX:  650-494-0792
     TELEX:  706141
 INFORMATION FOR SEQ ID NO:  140:
   SEQUENCE CHARACTERISTICS:
     LENGTH:  20 base pairs
     TYPE:  nucleic acid
     STRANDEDNESS:  single
     TOPOLOGY:  linear
US-09-984-198-140

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1078 CCAGATTTCAAGCTCCAC 1095
              ||||| ||||| || |||
Db          3 CCAGACTTCAACCTTCAC 20


RESULT 1295
US-09-777-732-41/c
 Sequence 41, Application US/09777732
 Patent No. US20020132235A1
 GENERAL INFORMATION:
  APPLICANT: Avihingsanon, Yingyos
  APPLICANT:  Ma, Nalli
  APPLICANT:  Strom, Terry
  APPLICANT:  Soares, Miguel C.
  APPLICANT:  Ferran, Chrisiane
  APPLICANT:  Manikkam, Suthanthiran
  TITLE OF INVENTION: MEASUREMENT OF PROTECTIVE GENES IN ALLOGRAFT REJECTION
  FILE REFERENCE: 01948-059001
  CURRENT APPLICATION NUMBER: US/09/777,732
  CURRENT FILING DATE:  2001-02-06
  NUMBER OF SEQ ID NOS: 41
  SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 41
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Synthetically generated primer
US-09-777-732-41

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1642 GAAACCAAGGCCCCGAGC 1659
              || ||||||| || ||||
Db         18 GACACCAAGGACCAGAGC 1


RESULT 1296
US-09-791-406-60/c
 Sequence 60, Application US/09791406
 Patent No. US20020147165A1
 GENERAL INFORMATION:
  APPLICANT:  C. Frank Bennett
  APPLICANT:  Robert Rothlein
  APPLICANT:  Takashi Kei Kishimoto
  APPLICANT:  Lex M. Cowsert
  TITLE OF INVENTION:  ANTISENSE MODULATION OF CALRETICULIN EXPRESSION
  FILE REFERENCE:  RTS-0097
  CURRENT APPLICATION NUMBER: US/09/791,406
  CURRENT FILING DATE:  2001-02-22
  NUMBER OF SEQ ID NOS:  89
 SEQ ID NO 60
```

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;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-791-406-60

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1424 AGGAGAAGAAAGAAGTCA 1441
              ||||| || |||||| ||
Db         19 AGGAGGAGGAAGAAGACA 2


RESULT 1297
US-09-547-267-13
; Sequence 13, Application US/09547267
; Patent No. US20020147371A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hohmann, Hans-Peter
;    APPLICANT:  Pasamontes, Luis
;    APPLICANT:  Tessier, Michel
;    APPLICANT:  van Loon, Adolphus
;    TITLE OF INVENTION:  FERMENTATIVE CAROTENOID PRODUCTION
;    NUMBER OF SEQUENCES:  47
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hoffmann-La Roche Inc.
;      STREET:  340 Kingsland Street
;      CITY:  Nutley
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07110
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/547,267
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/660,645
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Pokras, Bruce A.
;      REGISTRATION NUMBER:  32,748
;      REFERENCE/DOCKET NUMBER:  RAN 6002/170
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (201) 235-5801
;      TELEFAX:  (201) 235-2363
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-547-267-13

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1647 CAAGGCCCCGAGCTCAGG 1664
              |||||||| || | ||||
Db          1 CAAGGCCCAGATCGCAGG 18


RESULT 1298
US-09-734-672-27/c
; Sequence 27, Application US/09734672
; Publication No. US20020183268A1
;  GENERAL INFORMATION:
;       APPLICANT: Murphy, Patricia D.
;                  Allen, Antonette C.
;                  Alvares, Christopher P.
;                  Critz, Brenda S.
;                  Olson, Sheri J.
;                  Schelter, Denise B.
;                  Zeng, Bin
;       TITLE OF INVENTION: Coding Sequences of the Human
;                           BRCA1 Gene
;       NUMBER OF SEQUENCES: 72
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Morgan Lewis & Bockius LLP
;            STREET: 1111 Pennsylvania Ave., N.W.
;            CITY: Washington
;            STATE: District of Columbia
;            COUNTRY: USA
;            ZIP: 20004
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/734,672
;            FILING DATE: 03-Dec-2000
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 08/966,436
;            FILING DATE: 07-No. US20020183268A1-97
;            APPLICATION NUMBER: US 08/598,591
;            FILING DATE: 12-Feb-96
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Michael S. Tuscan
;            REGISTRATION NUMBER: 43,210
;            REFERENCE/DOCKET NUMBER: 44921-5055-02-US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 202-739-3000
;            TELEFAX: 202-739-3001
;  INFORMATION FOR SEQ ID NO: 27:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 20 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: No. US20020183268A1 Relevant
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA (genomic)
;       ORIGINAL SOURCE:
;            STRAIN: 11CF1 primer
;       SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-09-734-672-27

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        846 TGGCTCAGACTCCCTATC 863
              ||  |||||||||| |||
Db         19 TGATTCAGACTCCCCATC 2


RESULT 1299
US-09-881-012-98/c
; Sequence 98, Application US/09881012
; Publication No. US20020192655A1
; GENERAL INFORMATION:
;  APPLICANT: Ginns, Edward I.
;  APPLICANT:  Egeland, Janice A.
;  APPLICANT:  Paul, Steven M.
;  APPLICANT:  The Governmwent of the United States of America
;  APPLICANT:  as represented by The Secretary of the
```

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  APPLICANT:  Department of Health and Human Services
  TITLE OF INVENTION: Susceptibility and Resistance Genes for
  TITLE OF INVENTION:  Bipolar Affective Disorder
  FILE REFERENCE: 015280-248110US
  CURRENT APPLICATION NUMBER: US/09/881,012
  CURRENT FILING DATE:  2001-06-13
  PRIOR APPLICATION NUMBER: US/09/175,158
  PRIOR FILING DATE: 1998-10-19
  PRIOR APPLICATION NUMBER: US 60/062,924
  PRIOR FILING DATE: 1997-10-20
  NUMBER OF SEQ ID NOS: 240
  SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 98
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: D4S1625 reverse primer
S-09-881-012-98

 Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
 Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
 Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        325 AGCAAGCAGATGCAGAGA 342
              | | |||| |||||||||
Db         19 AACCAGCAAATGCAGAGA 2


ESULT 1300
S-09-964-261-180
 Sequence 180, Application US/09964261
 Publication No. US20020197613A1
 GENERAL INFORMATION:
  APPLICANT: De Canck, Ilse
  APPLICANT:  Rombout, Annelles
  APPLICANT:  Rossau, Rudi
  TITLE OF INVENTION: METHOD FOR THE AMPLIFICATION OF HLA CLASS I ALLELES
  FILE REFERENCE: IGJ-002
  CURRENT APPLICATION NUMBER: US/09/964,261
  CURRENT FILING DATE:  2001-09-25
  PRIOR APPLICATION NUMBER: EP 99870068.6
  PRIOR FILING DATE: 1999-04-09
  PRIOR APPLICATION NUMBER: US 60/138,614
  PRIOR FILING DATE: 1999-06-11
  NUMBER OF SEQ ID NOS: 446
  SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 180
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Homo sapiens
S-09-964-261-180

 Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
 Best Local Similarity   75.0%;  Pred. No. 9.4e+02;
 Matches   15;  Conservative    1;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2012 GGAGGTTGCTAGTCTAGTTT 2031
              ||||| :| || |||||| |
Db          1 GGAGGGYGATATTCTAGTGT 20


ESULT 1301
S-09-982-828-27/c
 Sequence 27, Application US/09982828
 Publication No. US20030022184A1
  GENERAL INFORMATION:
       APPLICANT: Murphy, Patricia D.
                  Allen, Antonette C.
                  Alvares, Christopher P.
                  Critz, Brenda S.
                  Olson, Sheri J.
                  Thurber, Denise
                  Zeng, Bin
       TITLE OF INVENTION: Coding Sequences of the Human
                           BRCA1 Gene
       NUMBER OF SEQUENCES: 72
       CORRESPONDENCE ADDRESS:
            ADDRESSEE: Morgan Lewis & Bockius LLP
            STREET: 1111 Pennsylvania Avenue N. W.
            CITY: Washington
            STATE: DC
            COUNTRY: USA
            ZIP: 20004
       COMPUTER READABLE FORM:
            MEDIUM TYPE: Floppy disk
            COMPUTER: IBM PC compatible
            OPERATING SYSTEM: PC-DOS/MS-DOS
            SOFTWARE: PatentIn Release #1.0, Version #1.30
       CURRENT APPLICATION DATA:
            APPLICATION NUMBER: US/09/982,828
            FILING DATE: 22-Oct-2001
            CLASSIFICATION: <Unknown>
       PRIOR APPLICATION DATA:
            APPLICATION NUMBER: US 09/074,453
            FILING DATE: 1998-05-06
            APPLICATION NUMBER: US 08/798,691
            FILING DATE: 1997-02-12
            APPLICATION NUMBER: US 08/598,591
            FILING DATE: 1996-02-12
       ATTORNEY/AGENT INFORMATION:
            NAME: Michael S. Tuscan
            REGISTRATION NUMBER: 43,210
            REFERENCE/DOCKET NUMBER: 44921-5053-01-US
       TELECOMMUNICATION INFORMATION:
            TELEPHONE: 202-739-3000
            TELEFAX: 202-739-3001
  INFORMATION FOR SEQ ID NO: 27:
       SEQUENCE CHARACTERISTICS:
            LENGTH: 20 base pairs
            TYPE: nucleic acid
            STRANDEDNESS: not relevant
            TOPOLOGY: linear
       MOLECULE TYPE: DNA (genomic)
       ORIGINAL SOURCE:
            STRAIN: 11CF1 primer
       SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-09-982-828-27

 Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
 Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
 Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        846 TGGCTCAGACTCCCTATC 863
              ||  |||||||||| |||
Db         19 TGATTCAGACTCCCCATC 2


RESULT 1302
US-09-920-923-39
 Sequence 39, Application US/09920923
 Publication No. US20030022273A1
 GENERAL INFORMATION:
  APPLICANT: Pasamontes, Luis
  APPLICANT:  Tsygankov, Yuri
  TITLE OF INVENTION: Improved Fermentative Carotenoid Production
  FILE REFERENCE: Improved Fermentive Carotenoid
  CURRENT APPLICATION NUMBER: US/09/920,923
  CURRENT FILING DATE:  2001-08-02
  PRIOR APPLICATION NUMBER: 08/980,832
  PRIOR FILING DATE: 1997-12-01
  NUMBER OF SEQ ID NOS: 66
  SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 39
   LENGTH: 20
   TYPE: DNA
```

```
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer #8
US-09-920-923-39

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1647 CAAGGCCCCGAGCTCAGG 1664
              ||||||||  ||  |  ||||
Db          1 CAAGGCCCAGATCGCAGG 18


RESULT 1303
US-09-824-322B-72
; Sequence 72, Application US/09824322B
; Publication No. US20030022848A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT:  Bennett, C. Frank
;  APPLICANT:  Butler, Madeline M.
;  APPLICANT:  Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TUMOR NECROSIS FACTOR-ALP
;  TITLE OF INVENTION:  ALPHA) EXPRESSION
;  FILE REFERENCE: ISPH-0501
;  CURRENT APPLICATION NUMBER: US/09/824,322B
;  CURRENT FILING DATE:  2001-04-02
;  PRIOR APPLICATION NUMBER: US 09/313,932
;  PRIOR FILING DATE: 1999-05-18
;  PRIOR APPLICATION NUMBER: US 09/166,186
;  PRIOR FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 503
; SEQ ID NO 72
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-09-824-322B-72

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1585 TCTATTTCTCTGTGTATT 1602
              ||  |||  ||||||||||
Db          2 TCCATTCATCTGTGTATT 19


RESULT 1304
US-09-824-322B-83
; Sequence 83, Application US/09824322B
; Publication No. US20030022848A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT:  Bennett, C. Frank
;  APPLICANT:  Butler, Madeline M.
;  APPLICANT:  Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TUMOR NECROSIS FACTOR-ALP
;  TITLE OF INVENTION:  ALPHA) EXPRESSION
;  FILE REFERENCE: ISPH-0501
;  CURRENT APPLICATION NUMBER: US/09/824,322B
;  CURRENT FILING DATE:  2001-04-02
;  PRIOR APPLICATION NUMBER: US 09/313,932
;  PRIOR FILING DATE: 1999-05-18
;  PRIOR APPLICATION NUMBER: US 09/166,186
;  PRIOR FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 503
; SEQ ID NO 83
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-09-824-322B-83

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1978 TGCCCTCTGTCTGTCTTC 1995
              | | ||||||||||| ||
Db          2 TCCTCTCTGTCTGTCATC 19


RESULT 1305
US-09-824-322B-319/c
; Sequence 319, Application US/09824322B
; Publication No. US20030022848A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT:  Bennett, C. Frank
;  APPLICANT:  Butler, Madeline M.
;  APPLICANT:  Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TUMOR NECROSIS FACTOR-AL
;  TITLE OF INVENTION:  ALPHA) EXPRESSION
;  FILE REFERENCE: ISPH-0501
;  CURRENT APPLICATION NUMBER: US/09/824,322B
;  CURRENT FILING DATE:  2001-04-02
;  PRIOR APPLICATION NUMBER: US 09/313,932
;  PRIOR FILING DATE: 1999-05-18
;  PRIOR APPLICATION NUMBER: US 09/166,186
;  PRIOR FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 503
; SEQ ID NO 319
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-09-824-322B-319

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1674 CTGGGTGAGCTCTTCCAG 1691
              |||||  |  |  ||||||||
Db         20 CTGGGAGGGGTCTTCCAG 3


RESULT 1306
US-09-966-515-14/c
; Sequence 14, Application US/09966515
; Publication No. US20030036068A1
; GENERAL INFORMATION:
;  APPLICANT: Kopreski, Michael S
;  TITLE OF INVENTION: Method enabling use of extracellular RNA extracted from
;  TITLE OF INVENTION:  plasma or serum to detect, monitor or evaluate cancer
;  FILE REFERENCE: 09966515
;  CURRENT APPLICATION NUMBER: US/09/966,515
;  CURRENT FILING DATE:  2002-05-06
;  PRIOR APPLICATION NUMBER: 09/155,152
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: PCT/US97/03479
;  PRIOR FILING DATE: 1997-03-14
;  PRIOR APPLICATION NUMBER: 60/014,730
;  PRIOR FILING DATE: 1996-03-26
;  NUMBER OF SEQ ID NOS: 15
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-966-515-14
```

```
  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1252 GACGAAGACGACCCTGAC 1269
              |||||| |||| || |||
Db         20 GACGAACACGAACCGGAC 3


RESULT 1307
US-09-828-344-157
  Sequence 157, Application US/09828344
  Publication No. US20030044979A1
  GENERAL INFORMATION:
   APPLICANT: C. Frank Bennett
   APPLICANT:  Jacqueline Wyatt
   TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
   FILE REFERENCE: RTS-0147
   CURRENT APPLICATION NUMBER: US/09/828,344
   CURRENT FILING DATE:  2001-04-06
   NUMBER OF SEQ ID NOS: 176
  SEQ ID NO 157
    LENGTH: 20
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-157

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1395 AACAGAGGATGAAAAAGA 1412
              |||| | |||||||||| |
Db          3 AACAAAAGATGAAAAATA 20


RESULT 1308
US-09-865-866-144/c
  Sequence 144, Application US/09865866
  Publication No. US20030045487A1
  GENERAL INFORMATION:
   APPLICANT: C. Frank Bennett
   APPLICANT:  Jacqueline Wyatt
   TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPASE A2, GROUP IIA (SYNOVIAL) EX
   FILE REFERENCE: RTS-0221
   CURRENT APPLICATION NUMBER: US/09/865,866
   CURRENT FILING DATE:  2001-05-25
   NUMBER OF SEQ ID NOS: 173
  SEQ ID NO 144
    LENGTH: 20
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Antisense Oligonucleotide
US-09-865-866-144

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1262 ACCCTGACAAGCGCATCT 1279
              |||| |||| |||| |||
Db         18 ACCCGGACATGCGCGTCT 1


RESULT 1309
US-09-232-785-138/c
  Sequence 138, Application US/09232785
  Publication No. US20030049612A1
  GENERAL INFORMATION:
  ;  APPLICANT:  International Paper Co.
  ;  APPLICANT:  Echt, Craig. S
  ;  APPLICANT:  Nelson, C. Dana
  ;  TITLE OF INVENTION:  MICROSATELITE DNA MARKERS AND USES
  ;  TITLE OF INVENTION:  THEREOF
  ;  FILE REFERENCE:  4481/1E188US1
  ;  CURRENT APPLICATION NUMBER: US/09/232,785
  ;  CURRENT FILING DATE:  1999-01-19
  ;  PRIOR APPLICATION NUMBER:  09/232,884
  ;  PRIOR FILING DATE:  1999-01-15
  ;  NUMBER OF SEQ ID NOS:  397
  ;  SOFTWARE:  FastSEQ for Windows Version 3.0
  ; SEQ ID NO 138
  ;   LENGTH: 20
  ;   TYPE: DNA
  ;   ORGANISM: Pinus taeda L.
  US-09-232-785-138

    Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
    Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
    Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

  Qy       1413 GAAAGACCCAGAGGAGAA 1430
                ||| ||| |||||||| |
  Db         19 GAAGGACACAGAGGAGCA 2


  RESULT 1310
  US-09-232-785-201
  ; Sequence 201, Application US/09232785
  ; Publication No. US20030049612A1
  ; GENERAL INFORMATION:
  ;  APPLICANT:  International Paper Co.
  ;  APPLICANT:  Echt, Craig. S
  ;  APPLICANT:  Nelson, C. Dana
  ;  TITLE OF INVENTION:  MICROSATELITE DNA MARKERS AND USES
  ;  TITLE OF INVENTION:  THEREOF
  ;  FILE REFERENCE:  4481/1E188US1
  ;  CURRENT APPLICATION NUMBER: US/09/232,785
  ;  CURRENT FILING DATE:  1999-01-19
  ;  PRIOR APPLICATION NUMBER:  09/232,884
  ;  PRIOR FILING DATE:  1999-01-15
  ;  NUMBER OF SEQ ID NOS:  397
  ;  SOFTWARE:  FastSEQ for Windows Version 3.0
  ; SEQ ID NO 201
  ;   LENGTH: 20
  ;   TYPE: DNA
  ;   ORGANISM: Pinus taeda L.
  US-09-232-785-201

    Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
    Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
    Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

  Qy       1305 TGCCTGTGAGGAAGAGTT 1322
                | |||||| ||| |||||
  Db          2 TCCCTGTGGGGATGAGTT 19


  RESULT 1311
  US-09-949-427-205/c
  ; Sequence 205, Application US/09949427
  ; Publication No. US20030054418A1
  ; GENERAL INFORMATION:
  ;  APPLICANT: Bodnar, Jackie S.
  ;  APPLICANT:  Castellani, Lawrence W.
  ;  APPLICANT:  Chatterjee, Aurobindo
  ;  APPLICANT:  de Jong, Pieter
  ;  APPLICANT:  Lusis, Aldons J.
  ;  APPLICANT:  Ohmen, Jeff
  ;  APPLICANT:  Ross, David
  ;  APPLICANT:  Tafuri, Sherrie
  ;  APPLICANT:  Wu, Chenyan
```

```
;  TITLE OF INVENTION: Gene and Sequence Variation Associated with Cancer
;  FILE REFERENCE: 02810.0014.NPUS02
;  CURRENT APPLICATION NUMBER: US/09/949,427
;  CURRENT FILING DATE:  2001-09-07
;  PRIOR APPLICATION NUMBER: 60/231,322
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 405
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 205
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Primer
US-09-949-427-205

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1522 TCCAGCTCTGGCTTCCTG 1539
              |||| |||| | ||||||
Db         19 TCCACCTCTTGTTTCCTG 2


RESULT 1312
US-09-919-197-25
; Sequence 25, Application US/09919197
; Publication No. US20030083484A1
; GENERAL INFORMATION:
;  APPLICANT: Rosanne M. Crooke
;  APPLICANT:  Mark J. Graham
;  TITLE OF INVENTION: ANTISENSE MODULATION OF SHORT HETERODIMER PARTNER-1 EXPRESSION
;  FILE REFERENCE: ISPH-0593
;  CURRENT APPLICATION NUMBER: US/09/919,197
;  CURRENT FILING DATE:  2001-07-31
;  NUMBER OF SEQ ID NOS: 89
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 25
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-919-197-25

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        389 TCTGTCAGTTGTCTACTG 406
              |||| |||||| | ||||
Db          2 TCTGGCAGTTGGCCACTG 19


RESULT 1313
US-09-919-197-55/c
; Sequence 55, Application US/09919197
; Publication No. US20030083484A1
; GENERAL INFORMATION:
;  APPLICANT: Rosanne M. Crooke
;  APPLICANT:  Mark J. Graham
;  TITLE OF INVENTION: ANTISENSE MODULATION OF SHORT HETERODIMER PARTNER-1 EXPRESSION
;  FILE REFERENCE: ISPH-0593
;  CURRENT APPLICATION NUMBER: US/09/919,197
;  CURRENT FILING DATE:  2001-07-31
;  NUMBER OF SEQ ID NOS: 89
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 55
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-919-197-55

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1335 AGAGGAGGGAGAGGGGGG 1352
              | |||||| ||||||| |
Db         19 AAAGGAGGCAGAGGGGTG 2


RESULT 1314
US-09-741-744A-24
; Sequence 24, Application US/09741744A
; Publication No. US20030087417A1
; GENERAL INFORMATION:
;  APPLICANT: Peeters, Bernadus
;  APPLICANT:  de Leeuw, Olav
;  APPLICANT:  Klaus, Guus
;  APPLICANT:  Arnoud, Gielkens
;  TITLE OF INVENTION: Newcastle Disease Virus Infectious Clones, Vaccines and Diagnost:
;  FILE REFERENCE: 2183-4646US
;  CURRENT APPLICATION NUMBER: US/09/741,744A
;  CURRENT FILING DATE:  2000-12-19
;  PRIOR APPLICATION NUMBER: PCT/NL99/00377
;  PRIOR FILING DATE: 1999-06-17
;  NUMBER OF SEQ ID NOS: 148
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 24
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-09-741-744A-24

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        830 CGGTGGTCTTACAGTGTG 847
              |||  ||||| |||||||
Db          3 CGGAAGTCTTGCAGTGTG 20


RESULT 1315
US-09-966-451-34/c
; Sequence 34, Application US/09966451
; Publication No. US20030087856A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF IL-1 RECEPTOR-ASSOCIATED KINASE-4 EXPRESS
;  FILE REFERENCE: RTS-0324
;  CURRENT APPLICATION NUMBER: US/09/966,451
;  CURRENT FILING DATE:  2001-09-28
;  NUMBER OF SEQ ID NOS: 88
; SEQ ID NO 34
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-966-451-34

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        799 TCCAAAGTAATGGAGATG 816
              ||  |||| |||||||||
Db         19 TCTCAAGTGATGGAGATG 2
```

```
:ESULT 1316
/S-09-967-669-82/c
  Sequence 82, Application US/09967669
  Publication No. US20030092650A1
  GENERAL INFORMATION:
   APPLICANT: C. Frank Bennett
   APPLICANT:  Susan M. Freier
   TITLE OF INVENTION: ANTISENSE MODULATION OF SPHINGOSINE-1-PHOSPHATE LYASE EXPRESSION
   FILE REFERENCE: RTS-0259
   CURRENT APPLICATION NUMBER: US/09/967,669
   CURRENT FILING DATE:  2001-09-28
   NUMBER OF SEQ ID NOS: 90
  SEQ ID NO 82
    LENGTH: 20
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Antisense Oligonucleotide
/S-09-967-669-82

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

)y        467 GGGCTGGGGGCCTGCACC 484
              ||||| ||| |||||| |
)b         20 GGGCTCGGGACCTGCAGC 3


:ESULT 1317
/S-09-923-327-91/c
  Sequence 91, Application US/09923327
  Publication No. US20030096236A1
  GENERAL INFORMATION:
   APPLICANT: MURPHY, Patricia D.
;  TITLE OF INVENTION: Determining Common Functional Alleles in a Population and Uses Th
;  FILE REFERENCE: 044921-5054-02
;  CURRENT APPLICATION NUMBER: US/09/923,327
;  CURRENT FILING DATE:  2002-04-01
;  PRIOR APPLICATION NUMBER: US 08/598,591
;  PRIOR FILING DATE: 1996-02-12
;  PRIOR APPLICATION NUMBER: US 08/798,691
;  PRIOR FILING DATE: 1997-02-12
;  PRIOR APPLICATION NUMBER: US 08/905,772
;  PRIOR FILING DATE: 1997-08-04
;  PRIOR APPLICATION NUMBER: US 09/084,471
;  PRIOR FILING DATE: 1998-05-22
;  PRIOR APPLICATION NUMBER: US 09/129,134
;  PRIOR FILING DATE: 1998-08-04
;  PRIOR APPLICATION NUMBER: US 09/524,794
;  PRIOR FILING DATE: 2000-03-14
;  NUMBER OF SEQ ID NOS: 260
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 91
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
/S-09-923-327-91

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

)y        846 TGGCTCAGACTCCCTATC 863
              ||  |||||||||| |||
)b         19 TGATTCAGACTCCCCATC 2


RESULT 1318
/S-09-915-814-102/c
; Sequence 102, Application US/09915814
; Publication No. US20030096771A1
; GENERAL INFORMATION:
;  APPLICANT: Madeline M. Butler
;  APPLICANT:  Andrew T. Watt
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HORMONE-SENSITIVE LIPASE EXPRESSION
;  FILE REFERENCE: ISPH-0587
;  CURRENT APPLICATION NUMBER: US/09/915,814
;  CURRENT FILING DATE:  2001-07-26
;  NUMBER OF SEQ ID NOS: 230
; SEQ ID NO 102
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-915-814-102

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        464 ATTGGGCTGGGGGCCTGC 481
              |||||||||| | ||| |
Db         20 ATTGGGCTGGTGTCCTTC 3


RESULT 1319
US-09-920-394-22
; Sequence 22, Application US/09920394
; Publication No. US20030096773A1
; GENERAL INFORMATION:
;  APPLICANT: Rosanne M. Crooke
;  APPLICANT:  Mark J. Graham
;  APPLICANT:  Kristina M. Lemonidis
;  TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COENZYME A CHOLESTEROL ACYLTRANSFER
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: ISPH-0589
;  CURRENT APPLICATION NUMBER: US/09/920,394
;  CURRENT FILING DATE:  2001-08-01
;  NUMBER OF SEQ ID NOS: 62
; SEQ ID NO 22
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-920-394-22

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        551 TGCTAAAGTATCACCAGA 568
              |||| ||| ||| |||||
Db          3 TGCTGAAGAATCCCCAGA 20


RESULT 1320
US-09-920-394-49
; Sequence 49, Application US/09920394
; Publication No. US20030096773A1
; GENERAL INFORMATION:
;  APPLICANT: Rosanne M. Crooke
;  APPLICANT:  Mark J. Graham
;  APPLICANT:  Kristina M. Lemonidis
;  TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COENZYME A CHOLESTEROL ACYLTRANSFER
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: ISPH-0589
;  CURRENT APPLICATION NUMBER: US/09/920,394
;  CURRENT FILING DATE:  2001-08-01
;  NUMBER OF SEQ ID NOS: 62
```

```
; SEQ ID NO 49
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-920-394-49

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        551 TGCTAAAGTATCACCAGA 568
              |||| ||| ||| |||||
Db          2 TGCTGAAGAATCCCCAGA 19


RESULT 1321
US-09-778-013-41/c
; Sequence 41, Application US/09778013
; Publication No. US20030104371A1
; GENERAL INFORMATION:
;  APPLICANT: Strom, Terry B.
;  APPLICANT:  Suthanthiran, Manikkam
;  APPLICANT:  Vasconcellos, Lauro
;  TITLE OF INVENTION: METHOD OF EVALUATING TRANSPLANT REJECTION
;  FILE REFERENCE: 01948-061001
;  CURRENT APPLICATION NUMBER: US/09/778,013
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US 60/199,327
;  PRIOR FILING DATE: 2000-04-24
;  PRIOR APPLICATION NUMBER: US 60/240,735
;  PRIOR FILING DATE: 2000-10-16
;  PRIOR APPLICATION NUMBER: US 60/240,735
;  PRIOR FILING DATE: 2000-10-12
;  PRIOR APPLICATION NUMBER: US 60/238,718
;  PRIOR FILING DATE: 2000-10-06
;  PRIOR APPLICATION NUMBER: US 08/937,063
;  PRIOR FILING DATE: 1997-09-24
;  NUMBER OF SEQ ID NOS: 57
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 41
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: downstram oligonucleotide primer
US-09-778-013-41

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1642 GAAACCAAGGCCCCGAGC 1659
              || ||||||| || ||||
Db         18 GACACCAAGGACCAGAGC 1


RESULT 1322
US-09-778-013-57/c
; Sequence 57, Application US/09778013
; Publication No. US20030104371A1
; GENERAL INFORMATION:
;  APPLICANT: Strom, Terry B.
;  APPLICANT:  Suthanthiran, Manikkam
;  APPLICANT:  Vasconcellos, Lauro
;  TITLE OF INVENTION: METHOD OF EVALUATING TRANSPLANT REJECTION
;  FILE REFERENCE: 01948-061001
;  CURRENT APPLICATION NUMBER: US/09/778,013
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US 60/199,327
;  PRIOR FILING DATE: 2000-04-24
;  PRIOR APPLICATION NUMBER: US 60/240,735
;  PRIOR FILING DATE: 2000-10-16
;  PRIOR APPLICATION NUMBER: US 60/240,735
;  PRIOR FILING DATE: 2000-10-12
;  PRIOR APPLICATION NUMBER: US 60/238,718
;  PRIOR FILING DATE: 2000-10-06
;  PRIOR APPLICATION NUMBER: US 08/937,063
;  PRIOR FILING DATE: 1997-09-24
;  NUMBER OF SEQ ID NOS: 57
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 57
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: antisense primer
US-09-778-013-57

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1642 GAAACCAAGGCCCCGAGC 1659
              || ||||||| || ||||
Db         18 GACACCAAGGACCAGAGC 1


RESULT 1323
US-09-953-318-59/c
; Sequence 59, Application US/09953318
; Publication No. US20030105036A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR RECEP
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTS-0232
;  CURRENT APPLICATION NUMBER: US/09/953,318
;  CURRENT FILING DATE:  2001-09-13
;  NUMBER OF SEQ ID NOS: 154
; SEQ ID NO 59
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-953-318-59

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1433 AAGAAGTCACCGAAGAGG 1450
              ||  |||||| |||||||
Db         18 AAAGAGTCACAGAAGAGG 1


RESULT 1324
US-09-953-318-99
; Sequence 99, Application US/09953318
; Publication No. US20030105036A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR RECEP
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTS-0232
;  CURRENT APPLICATION NUMBER: US/09/953,318
;  CURRENT FILING DATE:  2001-09-13
;  NUMBER OF SEQ ID NOS: 154
; SEQ ID NO 99
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
```

```
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-953-318-99

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1307 CCTGTGAGGAAGAGTTCT 1324
              ||  ||||| ||||||||
Db          1 CCGATGAGGTAGAGTTCT 18


RESULT 1325
US-09-908-147-34
; Sequence 34, Application US/09908147
; Publication No. US20030144221A1
; GENERAL INFORMATION:
;  APPLICANT: Hong Zhang
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF BCL2-ASSOCIATED X PROTEIN EXPRESSION
;  FILE REFERENCE: RTS-0185
;  CURRENT APPLICATION NUMBER: US/09/908,147
;  CURRENT FILING DATE:  2001-07-17
;  NUMBER OF SEQ ID NOS: 168
; SEQ ID NO 34
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
JS-09-908-147-34

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1468 AAGCCAGAAGCCAAAGGG 1485
              || || ||||| ||||||
Db          2 AACCCTGAAGCAAAAGGG 19


RESULT 1326
JS-09-908-147-35
; Sequence 35, Application US/09908147
; Publication No. US20030144221A1
; GENERAL INFORMATION:
;  APPLICANT: Hong Zhang
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF BCL2-ASSOCIATED X PROTEIN EXPRESSION
;  FILE REFERENCE: RTS-0185
;  CURRENT APPLICATION NUMBER: US/09/908,147
;  CURRENT FILING DATE:  2001-07-17
;  NUMBER OF SEQ ID NOS: 168
; SEQ ID NO 35
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
JS-09-908-147-35

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1468 AAGCCAGAAGCCAAAGGG 1485
              || || ||||| ||||||
Db          3 AACCCTGAAGCAAAAGGG 20


RESULT 1327
US-09-793-807-47
; Sequence 47, Application US/09793807
; Publication No. US20030171310A1
; GENERAL INFORMATION:
;  APPLICANT: Donna T. Ward
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF RECQL EXPRESSION
;  FILE REFERENCE: RTS-0206
;  CURRENT APPLICATION NUMBER: US/09/793,807
;  CURRENT FILING DATE:  2001-02-23
;  NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 47
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-793-807-47

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1275 CATCTCGATCTGCTCCTC 1292
              |||||||| |||| | ||
Db          2 CATCTCGACCTGCACGTC 19


RESULT 1328
US-09-851-871-261/c
; Sequence 261, Application US/09851871
; Publication No. US20030176374A1
; GENERAL INFORMATION:
;  APPLICANT: Bennett, Clarence Frank
;  APPLICANT:  Vickers, Timothy A.
;  APPLICANT:  Karras, James G.
;  TITLE OF INVENTION: Oligonucleotide Compositions and Methods for the
;  TITLE OF INVENTION:  Modulation of the Expression of B7 Protein
;  FILE REFERENCE: ISPH-0543
;  CURRENT APPLICATION NUMBER: US/09/851,871
;  CURRENT FILING DATE:  2001-05-09
;  PRIOR APPLICATION NUMBER: PCT/US00/14471
;  PRIOR FILING DATE: 2000-05-25
;  PRIOR APPLICATION NUMBER: 09/326,186
;  PRIOR FILING DATE: 1999-06-04
;  PRIOR APPLICATION NUMBER: 08/777,266
;  PRIOR FILING DATE: 1996-12-31
;  NUMBER OF SEQ ID NOS: 284
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 261
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-09-851-871-261

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1278 CTCGATCTGCTCCTCTGA 1295
              || |  ||||||||||||
Db         20 CTGGTGCTGCTCCTCTGA 3


RESULT 1329
US-09-736-476-28
; Sequence 28, Application US/09736476
; Publication No. US20030190696A1
;   GENERAL INFORMATION:
;        APPLICANT: Ingham, Phillip W.
;                   McMahon, Andrew P.
;                   Tabin, Clifford J.
```

```
;                  Bumcrot, David A.
;                  Marti-Gorostiza, Elisa
;       TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing
;                           Proteins and Uses Related Thereto
;       NUMBER OF SEQUENCES: 47
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: LAHIVE & COCKFIELD
;            STREET: 60 State Street
;            CITY: Boston
;            STATE: MA
;            COUNTRY: USA
;            ZIP: 02109
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: ASCII(text)
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/736,476
;            FILING DATE: 13-Dec-2000
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 08/435,093
;            FILING DATE: 4-MAY-1995
;            APPLICATION NUMBER: US 08/356,060
;            FILING DATE: 14-DEC-1994
;            APPLICATION NUMBER: US 08/176,427
;            FILING DATE: 30-DEC-1993
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Vincent, Matthew P.
;            REGISTRATION NUMBER: 36,709
;            REFERENCE/DOCKET NUMBER: HMI-006CP4
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (617) 227-7400
;            TELEFAX: (617) 227-5941
;   INFORMATION FOR SEQ ID NO: 28:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 20 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: cDNA
;       SEQUENCE DESCRIPTION: SEQ ID NO: 28:
US-09-736-476-28

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1436 AAGTCACCGAAGAGGAGA 1453
              |||||| |  ||||||||
Db          1 AAGTCAGCCCAGAGGAGA 18


RESULT 1330
US-10-380-525-10/c
; Sequence 10, Application US/10380525
; Publication No. US20040072350A1
; GENERAL INFORMATION:
;  APPLICANT: Atsushi Yuki
;  TITLE OF INVENTION: METHOD OF PRODUCING NORMAL PARENCHYMAL CELLS, TISSUES OR ORGANS
;  TITLE OF INVENTION:  USING LIVE-CULTURE DEVICE
;  FILE REFERENCE: 0230-0197P
;  CURRENT APPLICATION NUMBER: US/10/380,525
;  CURRENT FILING DATE:  2003-10-06
;  NUMBER OF SEQ ID NOS: 11
;  SOFTWARE: patent-in version 3.2
; SEQ ID NO 10
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer MLCTKR1 for determining nucleotide sequence of
;   OTHER INFORMATION: amplified TK gene
US-10-380-525-10

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1430 AGAAAGAAGTCACCGAAG 1447
              || |||||| ||| ||||
Db         19 AGCAAGAAGCCACGGAAG 2


RESULT 1331
US-10-215-821-63/c
; Sequence 63, Application US/10215821
; Publication No. US20040029274A1
; GENERAL INFORMATION:
;  APPLICANT: Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF EDG5 EXPRESSION
;  FILE REFERENCE: RTS-0155
;  CURRENT APPLICATION NUMBER: US/10/215,821
;  CURRENT FILING DATE:  2002-08-09
;  NUMBER OF SEQ ID NOS: 111
; SEQ ID NO 63
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-215-821-63

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        530 TCGTCTTGGCCATCCTGG 547
              || | |||||||||| |||
Db         20 TCCTGTTGGCCATCGTGG 3


RESULT 1332
US-10-169-085-16
; Sequence 16, Application US/10169085
; Publication No. US20040033215A1
; GENERAL INFORMATION:
;  APPLICANT: Kobayashi, Naoya
;  APPLICANT:  Philippe, Leboulch
;  APPLICANT:  Tanaka, No. US20040033215A1iaki
;  APPLICANT:  Fujiwara, Toshiyoshi
;  APPLICANT:  Toshinori, Totsugawa
;  TITLE OF INVENTION: METHOD FOR PROLIFERATING A LIVER CELL, A LIVER CELL OBTAINED
;  TITLE OF INVENTION:  THEREBY, AND USE THEREOF
;  FILE REFERENCE:
;  CURRENT APPLICATION NUMBER: US/10/169,085
;  CURRENT FILING DATE:  2002-07-09
;  PRIOR APPLICATION NUMBER: US/09/809,187
;  PRIOR FILING DATE: 2001-03-16
;  NUMBER OF SEQ ID NOS: 23
; SEQ ID NO 16
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: 5' primer for polymerase chain reaction to detect human blood
;   OTHER INFORMATION: coagulation factor X gene
US-10-169-085-16

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        608 GCGTGGAAGAGGCCTTCT 625
              || |||||||| ||| ||
```

```
Db          3 GCATGGAAGAGACCTGCT 20


RESULT 1333
US-10-443-545-23
; Sequence 23, Application US/10443545
; Publication No. US20040038266A1
; GENERAL INFORMATION:
;  APPLICANT: Neo Gen Screening, Inc.
;  TITLE OF INVENTION: Advancing the Detection of Hearing Loss in Newborns through
;  TITLE OF INVENTION:  Parallel Genetic Analysis
;  FILE REFERENCE: 2175
;  CURRENT APPLICATION NUMBER: US/10/443,545
;  CURRENT FILING DATE:  2003-05-22
;  PRIOR APPLICATION NUMBER: 60/370762
;  PRIOR FILING DATE: 2002-05-28
;  NUMBER OF SEQ ID NOS: 30
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 23
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-443-545-23

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1695 CCACCTTGCCACCCATTC 1712
                |||||  | ||||  |||||
Db          2 CCACCCTACCACACATTC 19


RESULT 1334
US-10-092-900A-390
; Sequence 390, Application US/10092900A
; Publication No. US20040043382A1
; GENERAL INFORMATION:
;  APPLICANT: Padigaru, Muralidhara
;  APPLICANT:  Spytek, Kimberly A.
;  APPLICANT:  Shenoy, Suresh G.
;  APPLICANT:  Taupier Jr., Raymond J.
;  APPLICANT:  Pena, Carol E.A.
;  APPLICANT:  Li, Li
;  APPLICANT:  Zerhusen, Bryan D.
;  APPLICANT:  Gusev, Vladimir Y.
;  APPLICANT:  Ji, Weizhen
;  APPLICANT:  Gorman, Linda
;  APPLICANT:  Miller, Charles E.
;  APPLICANT:  Kekuda, Ramesh
;  APPLICANT:  Patturajan, Meera
;  APPLICANT:  Gangolli, Esha A.
;  APPLICANT:  Vernet, Corine A.M.
;  APPLICANT:  Guo, Xiaojia Sasha
;  APPLICANT:  Tchernev,, Velizar T.
;  APPLICANT:  Fernandes, Elma R.
;  APPLICANT:  Casman, Stacie J.
;  APPLICANT:  Malyankar, Uriel M.
;  APPLICANT:  Gerlach, Valerie
;  APPLICANT:  Liu, Yi
;  APPLICANT:  Anderson, David W.
;  APPLICANT:  Spaderna, Steven K.
;  APPLICANT:  Catterton, Elina
;  APPLICANT:  Leite, Mario W.
;  APPLICANT:  Zhong, Haihong
;  APPLICANT:  Alsobrook, John P.
;  APPLICANT:  Lepley, Denise M.
;  APPLICANT:  Rieger, Daniel K.
;  APPLICANT:  Burgess, Catherine E.
;  TITLE OF INVENTION: No. US20040043382A1el Proteins and Nucleic Acids Encoding Same
;  FILE REFERENCE: 21402-290C
;  CURRENT APPLICATION NUMBER: US/10/092,900A
;  CURRENT FILING DATE:  2002-03-07
;  PRIOR APPLICATION NUMBER: USSN 60/274,322
;  PRIOR FILING DATE: 2001-03-08
;  PRIOR APPLICATION NUMBER: USSN 60/283,675
;  PRIOR FILING DATE: 2001-04-13
;  PRIOR APPLICATION NUMBER: USSN 60/338,092
;  PRIOR FILING DATE: 2001-12-03
;  PRIOR APPLICATION NUMBER: USSN 60/274,281
;  PRIOR FILING DATE: 2001-03-08
;  PRIOR APPLICATION NUMBER: USSN 60/274,191
;  PRIOR FILING DATE: 2001-03-08
;  PRIOR APPLICATION NUMBER: USSN 60/325,681
;  PRIOR FILING DATE: 2001-09-27
;  PRIOR APPLICATION NUMBER: USSN 60/304,354
;  PRIOR FILING DATE: 2001-07-10
;  PRIOR APPLICATION NUMBER: USSN 60/279,995
;  PRIOR FILING DATE: 2001-03-30
;  PRIOR APPLICATION NUMBER: USSN 60/294,899
;  PRIOR FILING DATE: 2001-05-31
;  PRIOR APPLICATION NUMBER: USSN 60/287,424
;  PRIOR FILING DATE: 2001-04-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 768
; SEQ ID NO 390
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Forward Primer
US-10-092-900A-390

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        412 TCTGTGGCAAGTGCTGTG 429
                ||||  |||||||||  ||
Db          2 TCTGCTGCAAGTGCTATG 19


RESULT 1335
US-10-642-802-108/c
; Sequence 108, Application US/10642802
; Publication No. US20040043956A1
; GENERAL INFORMATION:
;  APPLICANT: Mark J. Graham
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF COMPLEMENT COMPONENT C3 EXPRESSION
;  FILE REFERENCE: RTS-0329
;  CURRENT APPLICATION NUMBER: US/10/642,802
;  CURRENT FILING DATE:  2003-08-18
;  PRIOR APPLICATION NUMBER: US/10/001,076
;  PRIOR FILING DATE: 2001-10-23
;  NUMBER OF SEQ ID NOS: 179
; SEQ ID NO 108
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-642-802-108

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        319 GAGTACAGCAAGCAGATG 336
                |||  | ||||||||||  |
Db         20 GAGGAGAGCAAGCAGAAG 3


RESULT 1336
US-10-618-540-1
; Sequence 1, Application US/10618540
```

```
; Publication No. US20040052771A1
; GENERAL INFORMATION:
;  APPLICANT: Lim, Sai K.
;  TITLE OF INVENTION: Hemangioblast Progenitor Cells
;  FILE REFERENCE: 4810-66314
;  CURRENT APPLICATION NUMBER: US/10/618,540
;  CURRENT FILING DATE:  2003-07-09
;  PRIOR APPLICATION NUMBER: 10/197,189
;  PRIOR FILING DATE: 2002-07-12
;  PRIOR APPLICATION NUMBER: 60/426,789
;  PRIOR FILING DATE: 2002-11-18
;  NUMBER OF SEQ ID NOS: 44
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Mus musculus
US-10-618-540-1

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        319 GAGTACAGCAAGCAGATG 336
              |||  |||||||||| ||
Db          2 GAGATCAGCAAGCAGCTG 19


RESULT 1337
US-10-617-334-141
; Sequence 141, Application US/10617334
; Publication No. US20040058869A1
; GENERAL INFORMATION:
;  APPLICANT: Hayden, Michael R.
;  APPLICANT:  Brooks-Wilson, Angela R.
;  TITLE OF INVENTION: METHODS AND REAGENTS FOR MODULATING CHOLESTEROL LEVELS
;  FILE REFERENCE: 760050-91
;  CURRENT APPLICATION NUMBER: US/10/617,334
;  CURRENT FILING DATE:  2003-07-10
;  PRIOR APPLICATION NUMBER: US 09/526,193
;  PRIOR FILING DATE: 2000-03-15
;  PRIOR APPLICATION NUMBER: 60/124,702
;  PRIOR FILING DATE: 1999-03-15
;  PRIOR APPLICATION NUMBER: 60/138,048
;  PRIOR FILING DATE: 1999-06-08
;  PRIOR APPLICATION NUMBER: 60/139,600
;  PRIOR FILING DATE: 1999-06-17
;  PRIOR APPLICATION NUMBER: 60/151,977
;  PRIOR FILING DATE: 1999-09-01
;  NUMBER OF SEQ ID NOS: 287
;  SOFTWARE: PatentIn 3.0
; SEQ ID NO 141
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-617-334-141

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1514 TGGACCTCTCCAGCTCTG 1531
              ||  ||||||||  |||||
Db          3 TGCACCTCTCCTCCTCTG 20


RESULT 1338
US-10-695-980-39
; Sequence 39, Application US/10695980
; Publication No. US20040058410A1
; GENERAL INFORMATION:
;  APPLICANT: Pasamontes, Luis
;  APPLICANT:  Tsygankov, Yuri
;  TITLE OF INVENTION: Fermentative Carotenoid Production
;  FILE REFERENCE: 15464 US (C38435/125944)
;  CURRENT APPLICATION NUMBER: US/10/695,980
;  CURRENT FILING DATE:  2003-10-29
;  PRIOR APPLICATION NUMBER: US/09/920,923B
;  PRIOR FILING DATE: 2001-08-02
;  PRIOR APPLICATION NUMBER: 08/980,832
;  PRIOR FILING DATE: 1997-12-01
;  NUMBER OF SEQ ID NOS: 66
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 39
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial
;   FEATURE:
;   OTHER INFORMATION: Primer #8
US-10-695-980-39

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1647 CAAGGCCCCGAGCTCAGG 1664
              |||||||| || | ||||
Db          1 CAAGGCCCAGATCGCAGG 18


RESULT 1339
US-09-912-680-6/c
; Sequence 6, Application US/09912680
; Publication No. US20010051611A1
; GENERAL INFORMATION:
;  APPLICANT: Srivastava, Arun
;  APPLICANT:  Ponnazhagan, Selvarangan
;  APPLICANT:  Chloemer, Robert H.
;  APPLICANT:  Wang, Xu-Shan
;  APPLICANT:  Yoder, Mervin C.
;  APPLICANT:  Zhou, Shang-Zhen
;  APPLICANT:  Escobedo, Jaime
;  APPLICANT:  Varivani, Dwarki
;  TITLE OF INVENTION: An AAV Vector Having Two Modified D-Sequences (As Amended)
;  FILE REFERENCE: 1242.003
;  CURRENT APPLICATION NUMBER: US/09/912,680
;  CURRENT FILING DATE:  2001-07-24
;  PRIOR APPLICATION NUMBER: US/08/921,497
;  PRIOR FILING DATE: 1997-09-02
;  PRIOR APPLICATION NUMBER: US 60/025,616
;  PRIOR FILING DATE: 1996-09-06
;  PRIOR APPLICATION NUMBER: US 60/025,649
;  PRIOR FILING DATE: 1996-09-11
;  NUMBER OF SEQ ID NOS: 26
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: mouse
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: primer for the mouse beta-actin gene
US-09-912-680-6

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        928 AAGAGCTTTAACCTGCCT 945
              |||||||  | | ||||||
Db         20 AAGAGCTATGAGCTGCCT 3


RESULT 1340
US-09-949-428-205/c
; Sequence 205, Application US/09949428
```

```
; Publication No. US20030064372A1
; GENERAL INFORMATION:
;  APPLICANT: Bodnar, Jackie S.
;  APPLICANT:  Castellani, Lawrence W.
;  APPLICANT:  Chatterjee, Aurobindo
;  APPLICANT:  de Jong, Pieter
;  APPLICANT:  Lusis, Aldons J.
;  APPLICANT:  Ohmen, Jeff
;  APPLICANT:  Ross, David
;  APPLICANT:  Tafuri, Sherrie
;  APPLICANT:  Wu, Chenyan
;  TITLE OF INVENTION: Gene and Sequence Variation Associated with Lipid Disorder
;  FILE REFERENCE: 02810.0014.NPUS01
;  CURRENT APPLICATION NUMBER: US/09/949,428
;  CURRENT FILING DATE:  2001-09-07
;  PRIOR APPLICATION NUMBER: 60/231,322
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 405
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 205
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Primer
US-09-949-428-205

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1522 TCCAGCTCTGGCTTCCTG 1539
              |||| |||| | ||||||
Db         19 TCCACCTCTTGTTTCCTG 2


RESULT 1341
US-10-144-488-52
; Sequence 52, Application US/10144488
; Publication No. US20030212017A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF FARNESYL TRANSFERASE BETA SUBUNIT EXPRESS
;  FILE REFERENCE: RTS-0363
;  CURRENT APPLICATION NUMBER: US/10/144,488
;  CURRENT FILING DATE:  2002-05-10
;  NUMBER OF SEQ ID NOS: 80
; SEQ ID NO 52
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-144-488-52

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1694 GCCACCTTGCCACCCATT 1711
              |||  |||| ||||||||
Db          3 GCCGGCTTGTCACCCATT 20


RESULT 1342
US-10-156-995-214/c
; Sequence 214, Application US/10156995
; Publication No. US20030211486A1
; GENERAL INFORMATION:
;  APPLICANT: DNA Print Genomics, Inc.
;  APPLICANT:  FRUDAKIS, Tony N.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DETECTING POLYMORPHISMS ASSOCIATED W
;  TITLE OF INVENTION:  PIGMENTATION
;  FILE REFERENCE: DNA1140-7
;  CURRENT APPLICATION NUMBER: US/10/156,995
;  CURRENT FILING DATE:  2002-05-28
;  PRIOR APPLICATION NUMBER: US 60/346,303
;  PRIOR FILING DATE: 2002-01-02
;  PRIOR APPLICATION NUMBER: US 60/334,674
;  PRIOR FILING DATE: 2001-11-15
;  PRIOR APPLICATION NUMBER: US 60/344,418
;  PRIOR FILING DATE: 2001-10-26
;  PRIOR APPLICATION NUMBER: US 60/323,662
;  PRIOR FILING DATE: 2001-09-17
;  PRIOR APPLICATION NUMBER: US 60/310,781
;  PRIOR FILING DATE: 2001-08-07
;  PRIOR APPLICATION NUMBER: US 60/300,187
;  PRIOR FILING DATE: 2001-06-21
;  PRIOR APPLICATION NUMBER: US 60/293,560
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 224
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 214
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: PCR primer
US-10-156-995-214

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        573 GCTGTACATTGACATTGA 590
              |||| ||| || ||||||
Db         18 GCTGGACAATGTCATTGA 1


RESULT 1343
US-10-159-942-22/c
; Sequence 22, Application US/10159942
; Publication No. US20030224512A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF BETA-SITE APP-CLEAVING ENZYME EXPRESSION
;  FILE REFERENCE: RTS-0383
;  CURRENT APPLICATION NUMBER: US/10/159,942
;  CURRENT FILING DATE:  2002-05-31
;  NUMBER OF SEQ ID NOS: 133
; SEQ ID NO 22
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-159-942-22

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        563 ACCAGAGGGTGCTGTACA 580
              ||||||||  ||||| ||
Db         19 ACCAGAGGCAGCTGTCCA 2


RESULT 1344
US-10-159-942-96
; Sequence 96, Application US/10159942
; Publication No. US20030224512A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF BETA-SITE APP-CLEAVING ENZYME EXPRESSIO
;  FILE REFERENCE: RTS-0383
```

```
;  CURRENT APPLICATION NUMBER: US/10/159,942
;  CURRENT FILING DATE:  2002-05-31
;  NUMBER OF SEQ ID NOS: 133
; SEQ ID NO 96
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-159-942-96

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        563 ACCAGAGGGTGCTGTACA 580
              ||||||||  ||||| ||
Db          2 ACCAGAGGCAGCTGTCCA 19


RESULT 1345
US-10-162-846-58
; Sequence 58, Application US/10162846
; Publication No. US20030224516A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PROX-1 EXPRESSION
;  FILE REFERENCE: RTS-0421
;  CURRENT APPLICATION NUMBER: US/10/162,846
;  CURRENT FILING DATE:  2002-06-03
;  NUMBER OF SEQ ID NOS: 134
; SEQ ID NO 58
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-162-846-58

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         89 GGAAAGTCTGTTACTACT 106
              |||||  ||||||  || ||
Db          2 GGAAACTCTGTTGCTGCT 19


RESULT 1346
US-10-162-846-123/c
; Sequence 123, Application US/10162846
; Publication No. US20030224516A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PROX-1 EXPRESSION
;  FILE REFERENCE: RTS-0421
;  CURRENT APPLICATION NUMBER: US/10/162,846
;  CURRENT FILING DATE:  2002-06-03
;  NUMBER OF SEQ ID NOS: 134
; SEQ ID NO 123
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-162-846-123

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         89 GGAAAGTCTGTTACTACT 106
              |||||  ||||||  || ||
Db         19 GGAAACTCTGTTGCTGCT 2


RESULT 1347
US-10-144-140-70/c
; Sequence 70, Application US/10144140
; Publication No. US20030211606A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF DYRK4 EXPRESSION
;  FILE REFERENCE: RTS-0362
;  CURRENT APPLICATION NUMBER: US/10/144,140
;  CURRENT FILING DATE:  2002-05-10
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 70
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-144-140-70

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         486 TGCAAAGAAGTCCGAGGC 503
               | | ||||||||  |||||
Db          18 TCCCAAGAAGTCAGAGGC 1


RESULT 1348
US-10-446-373-59/c
; Sequence 59, Application US/10446373
; Publication No. US20030204076A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR RECEP
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTS-0232
;  CURRENT APPLICATION NUMBER: US/10/446,373
;  CURRENT FILING DATE:  2003-05-28
;  PRIOR APPLICATION NUMBER: US/09/953,318
;  PRIOR FILING DATE: 2001-09-13
;  NUMBER OF SEQ ID NOS: 154
; SEQ ID NO 59
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-446-373-59

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        1433 AAGAAGTCACCGAAGAGG 1450
               ||  ||||||  |||||||
Db          18 AAAGAGTCACAGAAGAGG 1


RESULT 1349
US-10-446-373-99
; Sequence 99, Application US/10446373
; Publication No. US20030204076A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR RECEP
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTS-0232
;  CURRENT APPLICATION NUMBER: US/10/446,373
```

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;  CURRENT FILING DATE:  2003-05-28
;  PRIOR APPLICATION NUMBER: US/09/953,318
;  PRIOR FILING DATE: 2001-09-13
;  NUMBER OF SEQ ID NOS: 154
; SEQ ID NO 99
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-446-373-99

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1307 CCTGTGAGGAAGAGTTCT 1324
              ||  ||||| ||||||||
Db          1 CCGATGAGGTAGAGTTCT 18


RESULT 1350
US-10-449-462-32
; Sequence 32, Application US/10449462
; Publication No. US20030202983A1
; GENERAL INFORMATION:
;  APPLICANT: Pfizer Products, Inc.
;  TITLE OF INVENTION: LAWSONIA INTRACELLULARIS PROTEINS AND RELATED METHODS AND
;  TITLE OF INVENTION:  MATERIALS
;  FILE REFERENCE: 3153.00187/PC10589A
;  CURRENT APPLICATION NUMBER: US/10/449,462
;  CURRENT FILING DATE:  2003-05-29
;  PRIOR APPLICATION NUMBER: US/09/689,065
;  PRIOR FILING DATE: 2000-10-12
;  PRIOR APPLICATION NUMBER: US Prov. 60/160,922
;  PRIOR FILING DATE: 1999-10-22
;  PRIOR APPLICATION NUMBER: US Prov. 60/163,858
;  PRIOR FILING DATE: 1999-11-05
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 32
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Lawsonia intracellularis
US-10-449-462-32

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1083 TTTCAAGCTCCACATCAG 1100
              |||||||  ||  ||  ||||
Db          3 TTTCAAGATCTACTTCAG 20


RESULT 1351
US-10-448-753-67/c
; Sequence 67, Application US/10448753
; Publication No. US20030211611A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  APPLICANT:  Mark P. Roach
;  TITLE OF INVENTION: ANTISENSE MODULATION OF ESTROGEN RECEPTOR ALPHA EXPRESSION
;  FILE REFERENCE: RTS-0340
;  CURRENT APPLICATION NUMBER: US/10/448,753
;  CURRENT FILING DATE:  2003-05-30
;  PRIOR APPLICATION NUMBER: US/10/027,983
;  PRIOR FILING DATE: 2001-12-18
;  NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 67
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-448-753-67

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1137 CCTGGAGAAGATCAAACA 1154
              ||||||  |||||||  | |
Db         18 CCTGGACAAGATCACAGA 1


RESULT 1352
US-10-067-534-11
; Sequence 11, Application US/10067534
; Publication No. US20020187538A1
; GENERAL INFORMATION:
;  APPLICANT: Essenberg, Margaret K.
;  APPLICANT:  Chen, Xiao-Ya
;  APPLICANT:  Luo, Ping
;  APPLICANT:  Wang, Yan-Hong
;  TITLE OF INVENTION: cDNA Clone of  (+)-Delta-Cadinene-8-Hydroxylase Gene from Cotton
;  FILE REFERENCE: 006602-113
;  CURRENT APPLICATION NUMBER: US/10/067,534
;  CURRENT FILING DATE:  2002-02-07
;  PRIOR APPLICATION NUMBER: US 60/267,160
;  PRIOR FILING DATE: 2001-02-07
;  NUMBER OF SEQ ID NOS: 19
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
US-10-067-534-11

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        153 GAAGCCTCACCGAATCCG 170
              |||||||||  |||  |||
Db          1 GAAGCCTCATCGATACCG 18


RESULT 1353
US-10-126-611-28
; Sequence 28, Application US/10126611
; Publication No. US20030008278A1
; GENERAL INFORMATION:
;  APPLICANT: ISHIZUKA, TETSUYA
;  APPLICANT:  YASUKAWA, KIYOSHI
;  APPLICANT:  ISHIGURO, TAKAHIKO
;  TITLE OF INVENTION: METHOD OR AMPLIFYING OR DETECTING HIV-1 RNA
;  FILE REFERENCE: 222118US0
;  CURRENT APPLICATION NUMBER: US/10/126,611
;  CURRENT FILING DATE:  2002-04-22
;  PRIOR APPLICATION NUMBER: JP 2001-129210
;  PRIOR FILING DATE: 2001-04-26
;  NUMBER OF SEQ ID NOS: 35
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-10-126-611-28

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
```

```
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1577 TTATATTTTCTATTTCTC 1594
              ||||||||| | |||| |
Db          1 TTATATTTTTTCTTTCCC 18


RESULT 1354
US-10-210-296-32
; Sequence 32, Application US/10210296
; Publication No. US20030021802A1
; GENERAL INFORMATION:
;  APPLICANT: Pfizer Products Inc.
;  TITLE OF INVENTION: LAWSONIA INTRACELLULARIS PROTEINS, AND RELATED
;  TITLE OF INVENTION:  METHODS
;  TITLE OF INVENTION:  AND MATERIALS
;  FILE REFERENCE: PC10589A
;  CURRENT APPLICATION NUMBER: US/10/210,296
;  CURRENT FILING DATE:  2002-08-01
;  PRIOR APPLICATION NUMBER: US/09/689,065
;  PRIOR FILING DATE: 2000-10-12
;  NUMBER OF SEQ ID NOS: 102
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 32
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Lawsonia intracellularis
US-10-210-296-32

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1083 TTTCAAGCTCCACATCAG 1100
              ||||||| || || ||||
Db          3 TTTCAAGATCTACTTCAG 20


RESULT 1355
US-10-022-819-23/c
; Sequence 23, Application US/10022819
; Publication No. US20030027166A1
;   GENERAL INFORMATION:
;        APPLICANT: ALLEN, Antonette C. P.
;                   OLSEN, Sheri J.
;                   LAWRENCE, Tammy
;                   ANGELLY, Tracy S.
;                   RABIN, Mark B.
;        TITLE OF INVENTION: CODING SEQUENCE HAPLOTYPE OF THE HUMAN
;                            BRCA1 GENE
;        NUMBER OF SEQUENCES: 67
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Morgan Lewis & Bockius LLP
;             STREET: 1111 Pennsylvania Avenue
;             CITY: Washington DC
;             STATE: District of Columbia
;             COUNTRY: USA
;             ZIP: 20004
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/022,819
;             FILING DATE: 22-Apr-2002
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/074,452
;             FILING DATE: 1998-05-06
;        ATTORNEY/AGENT INFORMATION:
;             NAME: <Unknown>
;             REGISTRATION NUMBER: <Unknown>
;             REFERENCE/DOCKET NUMBER: 044921-5049-01-US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 202-739-3000
;             TELEFAX: 202-739-3001
;   INFORMATION FOR SEQ ID NO: 23:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: other nucleic acid
;             DESCRIPTION: /desc = "PRIMER"
;        HYPOTHETICAL: NO
;        ANTI-SENSE: NO
;        FRAGMENT TYPE: internal
;        SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-10-022-819-23

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        846 TGGCTCAGACTCCCTATC 863
              ||  |||||||||| |||
Db         19 TGATTCAGACTCCCCATC 2


RESULT 1356
US-10-000-773A-30
; Sequence 30, Application US/10000773A
; Publication No. US20030069195A1
; GENERAL INFORMATION:
;  APPLICANT: Farrar, Gwenyth Jane
;  APPLICANT:  Humphries, Peter
;  APPLICANT:  Kenna, Paul
;  APPLICANT:  Millington-Ward, Sophia
;  TITLE OF INVENTION: Suppression of Polymorphic Alleles
;  FILE REFERENCE: MUR-001CP
;  CURRENT APPLICATION NUMBER: US/10/000,773A
;  CURRENT FILING DATE:  2001-11-30
;  PRIOR APPLICATION NUMBER: US 09/142,125
;  PRIOR FILING DATE: 1999-04-12
;  PRIOR APPLICATION NUMBER: PCT/GB97/00574
;  PRIOR FILING DATE: 1997-03-03
;  PRIOR APPLICATION NUMBER: GB 9604449.0
;  PRIOR FILING DATE: 1996-03-01
;  NUMBER OF SEQ ID NOS: 34
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 30
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: GAPDH reverse primer
US-10-000-773A-30

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1095 CATCAGTCCTTCCAATAT 1112
              ||| |||||||||  ||
Db          1 CATGAGTCCTTCCACGAT 18


RESULT 1357
US-10-142-516-8
; Sequence 8, Application US/10142516
; Publication No. US20030073103A1
; GENERAL INFORMATION:
;  APPLICANT: Ludwig, Erwin H.
;  APPLICANT:  Farese, Robert V.
;  APPLICANT:  Innerarity, Thomas L.
```

```
  APPLICANT:  Cases, Sylvaine
  TITLE OF INVENTION: Polymorphisms in a Diacylglycerol
  TITLE OF INVENTION:  Acyltransferase Gene, and Methods of Use Thereof.
  FILE REFERENCE: UCAL-191CON
  CURRENT APPLICATION NUMBER: US/10/142,516
  CURRENT FILING DATE:  2002-05-08
  PRIOR APPLICATION NUMBER: 09/613,444
  PRIOR FILING DATE: 2000-07-11
  NUMBER OF SEQ ID NOS: 11
  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: p16 primer
JS-10-142-516-8

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        566 AGAGGGTGCTGTACATTG 583
              ||||| | |||| |||||
Db          2 AGAGGCTTCTGTGCATTG 19


RESULT 1358
JS-10-205-522-149/c
; Sequence 149, Application US/10205522
; Publication No. US20030077629A1
; GENERAL INFORMATION:
;  APPLICANT: Penny, Laura
;  APPLICANT:  Galvin, Margaret
;  APPLICANT:  Miller, Andrew
;  APPLICANT:  Reidy, Michael
;  TITLE OF INVENTION: Genotyping Human
;  TITLE OF INVENTION:  UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
;  TITLE OF INVENTION:  2B15 (UGT2B15) Genes
;  FILE REFERENCE: SEQ-22PRV2
;  CURRENT APPLICATION NUMBER: US/10/205,522
;  CURRENT FILING DATE:  2002-07-24
;  PRIOR APPLICATION NUMBER: US/09/356,806
;  PRIOR FILING DATE: 1999-07-20
;  NUMBER OF SEQ ID NOS: 164
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 149
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
JS-10-205-522-149

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1473 AGAAGCCAAAGGGGTCAA 1490
              ||||||| ||| |||||
Db         20 AGAAGCCGAAGATGTCAA 3


RESULT 1359
JS-10-181-846-161
; Sequence 161, Application US/10181846
; Publication No. US20030083297A1
; GENERAL INFORMATION:
;  APPLICANT: Nicholas M. Dean
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF DAXX EXPRESSION
;  FILE REFERENCE: RTSP-0363
;  CURRENT APPLICATION NUMBER: US/10/181,846
;  CURRENT FILING DATE:  2002-07-17
;  PRIOR APPLICATION NUMBER: PCT/US01/01416
;  PRIOR FILING DATE: 2001-01-16
;  PRIOR APPLICATION NUMBER: 09/490,692
;  PRIOR FILING DATE: 2000-01-24
;  NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 161
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-181-846-161

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1982 CTCTGTCTGTCTTCTCCT 1999
              ||||||| ||| |||| |
Db          3 CTCTGTCAGTCCTCTCTT 20


RESULT 1360
US-10-192-985-24/c
; Sequence 24, Application US/10192985
; Publication No. US20030084483A1
; GENERAL INFORMATION:
;  APPLICANT: Simpson, Gordon G
;  APPLICANT:  Dean, Caroline
;  APPLICANT:  Dijkwel, Paul
;  TITLE OF INVENTION: Methods and Means for Modification of Plant
;  TITLE OF INVENTION:  Characteristics
;  FILE REFERENCE: 0380-P02932US0
;  CURRENT APPLICATION NUMBER: US/10/192,985
;  CURRENT FILING DATE:  2002-07-11
;  PRIOR APPLICATION NUMBER: GB 0117054.7
;  PRIOR FILING DATE: 2001-07-12
;  NUMBER OF SEQ ID NOS: 31
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 24
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-192-985-24

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1042 GAGCTTCCATACAATGAC 1059
              ||||| ||| |||||| |
Db         20 GAGCTGCCAAACAATGGC 3


RESULT 1361
US-10-271-887-28
; Sequence 28, Application US/10271887
; Publication No. US20030087871A1
; GENERAL INFORMATION:
;  APPLICANT: Hong Zhang
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 9 EXPRESSION
;  FILE REFERENCE: RTS-0183
;  CURRENT APPLICATION NUMBER: US/10/271,887
;  CURRENT FILING DATE:  2002-10-15
;  PRIOR APPLICATION NUMBER: US/09/659,845A
;  PRIOR FILING DATE: 2001-07-23
;  NUMBER OF SEQ ID NOS: 174
; SEQ ID NO 28
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
```

; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-271-887-28

 Query Match 0.6%; Score 13.2; DB 1; Length 20;
 Best Local Similarity 83.3%; Pred. No. 9.4e+02;
 Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1975 GCCTGCCCTCTGTCTGTC 1992
 |||||||| ||| ||||
Db 3 GCCTGCCCGCTGGATGTC 20

RESULT 1362
US-10-271-887-164
; Sequence 164, Application US/10271887
; Publication No. US20030087871A1
; GENERAL INFORMATION:
; APPLICANT: Hong Zhang
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 9 EXPRESSION
; FILE REFERENCE: RTS-0183
; CURRENT APPLICATION NUMBER: US/10/271,887
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US/09/659,845A
; PRIOR FILING DATE: 2001-07-23
; NUMBER OF SEQ ID NOS: 174
; SEQ ID NO 164
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-271-887-164

 Query Match 0.6%; Score 13.2; DB 1; Length 20;
 Best Local Similarity 83.3%; Pred. No. 9.4e+02;
 Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1686 TTCCAGGAGCCACCTTGC 1703
 | ||||||||||| || |
Db 1 TACCAGGAGCCACTTTTC 18

RESULT 1363
US-10-219-834-44
; Sequence 44, Application US/10219834
; Publication No. US20030096751A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: G-PROTEIN COUPLED RECEPTOR POLYNUCLEOTIDES AND METHODS OF USE THE
; FILE REFERENCE: D0191 NP
; CURRENT APPLICATION NUMBER: US/10/219,834
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: US 60/313,658
; PRIOR FILING DATE: 2001-08-20
; PRIOR APPLICATION NUMBER: US 60/340,703
; PRIOR FILING DATE: 2001-10-30
; PRIOR APPLICATION NUMBER: US 60/318,675
; PRIOR FILING DATE: 2001-09-12
; PRIOR APPLICATION NUMBER: US 60/355,596
; PRIOR FILING DATE: 2002-02-06
; PRIOR APPLICATION NUMBER: US 60/333,417
; PRIOR FILING DATE: 2001-11-26
; PRIOR APPLICATION NUMBER: US 60/338,367
; PRIOR FILING DATE: 2001-12-06
; NUMBER OF SEQ ID NOS: 192
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 44
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-219-834-44

 Query Match 0.6%; Score 13.2; DB 1; Length 20;
 Best Local Similarity 83.3%; Pred. No. 9.4e+02;
 Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1460 AGGAGGAGAAGCCAGAAG 1477
 |||| || ||||||| |
Db 3 AGGAAGAAAAGCCAGATG 20

RESULT 1364
US-10-001-076-108/c
; Sequence 108, Application US/10001076
; Publication No. US20030096775A1
; GENERAL INFORMATION:
; APPLICANT: Mark J. Graham
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF COMPLEMENT COMPONENT C3 EXPRESSION
; FILE REFERENCE: RTS-0329
; CURRENT APPLICATION NUMBER: US/10/001,076
; CURRENT FILING DATE: 2001-10-23
; NUMBER OF SEQ ID NOS: 179
; SEQ ID NO 108
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-076-108

 Query Match 0.6%; Score 13.2; DB 1; Length 20;
 Best Local Similarity 83.3%; Pred. No. 9.4e+02;
 Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 319 GAGTACAGCAAGCAGATG 336
 ||| | ||||||||||| |
Db 20 GAGGAGAGCAAGCAGAAG 3

RESULT 1365
US-10-204-696-2
; Sequence 2, Application US/10204696
; Publication No. US20030104064A1
; GENERAL INFORMATION:
; APPLICANT: Bioleaders Corporation
; TITLE OF INVENTION: Bacillus subtilis var. chungkookjang Producing High Molecular
; TITLE OF INVENTION: Weight Poly-gamma-glutamic Acid
; FILE REFERENCE: E01-009
; CURRENT APPLICATION NUMBER: US/10/204,696
; CURRENT FILING DATE: 2002-10-31
; PRIOR APPLICATION NUMBER: KR2001-1481
; PRIOR FILING DATE: 2001-01-11
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: KopatentIn 1.71
; SEQ ID NO 2
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Single stranded oligonucleotide primer
US-10-204-696-2

 Query Match 0.6%; Score 13.2; DB 1; Length 20;
 Best Local Similarity 83.3%; Pred. No. 9.4e+02;
 Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 807 AATGGAGATGTTCCAGCC 824
 || |||| || |||||||
Db 3 AAAGGAGGTGATCCAGCC 20

RESULT 1366
US-10-274-874-13/c

```
Sequence 13, Application US/10274874
Publication No. US20030113774A1
GENERAL INFORMATION:
 APPLICANT: Trink, Barry
 APPLICANT:  Jen, Jin
 APPLICANT:  Ratovitski, Edward
 APPLICANT:  Sidransky, David
 TITLE OF INVENTION: p40 Protein Acts as an Oncogene
 FILE REFERENCE: 01107.79765
 CURRENT APPLICATION NUMBER: US/10/274,874
 CURRENT FILING DATE:  2002-10-22
 PRIOR APPLICATION NUMBER: US/09/277,196
 PRIOR FILING DATE: 1999-03-26
 PRIOR APPLICATION NUMBER: 60/079736
 PRIOR FILING DATE: 1998-03-27
 NUMBER OF SEQ ID NOS: 20
 SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 13
  LENGTH: 20
  TYPE: DNA
  ORGANISM: Homo sapiens
JS-10-274-874-13

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1486 GTCAAGGAGGAGGTCAAG 1503
              |||| ||||| ||| |||
Db         18 GTCACGGAGGTGGTGAAG 1

RESULT 1367
JS-10-003-919-47
Sequence 47, Application US/10003919
Publication No. US20030114401A1
GENERAL INFORMATION:
 APPLICANT: C. Frank Bennett
 APPLICANT:  Susan M. Freier
 TITLE OF INVENTION: ANTISENSE MODULATION OF SHIP-1 EXPRESSION
 FILE REFERENCE: RTS-0256
 CURRENT APPLICATION NUMBER: US/10/003,919
 CURRENT FILING DATE:  2001-12-06
 NUMBER OF SEQ ID NOS: 87
SEQ ID NO 47
  LENGTH: 20
  TYPE: DNA
  ORGANISM: Artificial Sequence
  FEATURE:
  OTHER INFORMATION: Antisense Oligonucleotide
JS-10-003-919-47

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1631 CCCCAGGGACAGAAACCA 1648
              ||||  ||| ||||||||
Db          2 CCCCTTGGAGAGAAACCA 19

RESULT 1368
JS-10-279-186-47
; Sequence 47, Application US/10279186
; Publication No. US20030114407A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G PROTEIN-COUPLED RECEPTOR
;  TITLE OF INVENTION:  ETBR-LP-2 EXPRESSION
;  FILE REFERENCE: RTS-0346
;  CURRENT APPLICATION NUMBER: US/10/279,186
;  CURRENT FILING DATE:  2002-10-23
;  PRIOR APPLICATION NUMBER: US/10/003,126
;  PRIOR FILING DATE: 2001-12-06
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 47
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-279-186-47

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1500 CAAGTTGGCCTGAATGGA 1517
              ||| |||||| | |||||
Db          2 CAACTTGGCCAGGATGGA 19

RESULT 1369
US-10-139-604-12/c
; Sequence 12, Application US/10139604
; Publication No. US20030124551A1
; GENERAL INFORMATION:
;  APPLICANT: METRIS THERAPEUTICS LIMITED
;  APPLICANT: LNENICEK, Mirna
;  APPLICANT: PAPPA, Helen
;  TITLE OF INVENTION: AGENTS IMPLICATED IN ENDOMETRIOSIS
;  FILE REFERENCE: 1396-1-006
;  CURRENT APPLICATION NUMBER: US/10/139,604
;  CURRENT FILING DATE:  2002-08-23
;  PRIOR APPLICATION NUMBER: GB 9926081.2
;  PRIOR FILING DATE: 1999-11-03
;  PRIOR APPLICATION NUMBER: GB 9926074.7
;  PRIOR FILING DATE: 1999-11-03
;  PRIOR APPLICATION NUMBER: GB 9926079.6
;  PRIOR FILING DATE: 1999-11-03
;  PRIOR APPLICATION NUMBER: GB 9926076.2
;  PRIOR FILING DATE: 1999-11-03
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: SeqWin99, version 1.02
; SEQ ID NO 12
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: 5' RT-PCR primer for Immunoglobulin lambda
US-10-139-604-12

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        376 GGCCTGTTTGAGTTCTGT 393
              ||| ||| |||||| |||
Db         18 GGCATGTGTGAGTTTTGT 1

RESULT 1370
US-10-010-002-44
; Sequence 44, Application US/10010002
; Publication No. US20030125277A1
; GENERAL INFORMATION:
;  APPLICANT: Brenda F. Baker
;  APPLICANT:  Kenneth Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF ACTIVATING TRANSCRIPTION FACTOR 3 EXPRES
;  FILE REFERENCE: RTS-0331
;  CURRENT APPLICATION NUMBER: US/10/010,002
;  CURRENT FILING DATE:  2001-11-08
;  NUMBER OF SEQ ID NOS: 91
; SEQ ID NO 44
;   LENGTH: 20
```

```
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-010-002-44

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1967 GAAACACTGCCTGCCCTC 1984
              ||| ||||||  ||||||
Db          2 GAATCACTGCAGGCCCTC 19


RESULT 1371
US-10-024-369-39
; Sequence 39, Application US/10024369
; Publication No. US20030134809A1
; GENERAL INFORMATION:
;  APPLICANT: Alexander H. Borchers
;  APPLICANT:  Donna T. Ward
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF ABC TRANSPORTER MHC 1 EXPRESSION
;  FILE REFERENCE: RTS-0353
;  CURRENT APPLICATION NUMBER: US/10/024,369
;  CURRENT FILING DATE:  2001-12-17
;  NUMBER OF SEQ ID NOS: 91
; SEQ ID NO 39
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-024-369-39

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        256 ACCAAGTACCACAGCGAT 273
              |||| |||||||||  ||
Db          3 ACCAGGTACCACAGAAAT 20


RESULT 1372
US-10-006-972A-43
; Sequence 43, Application US/10006972A
; Publication No. US20030139359A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE 3 EXPRESSION
;  FILE REFERENCE: RTS-0335
;  CURRENT APPLICATION NUMBER: US/10/006,972A
;  CURRENT FILING DATE:  2001-12-04
;  NUMBER OF SEQ ID NOS: 94
; SEQ ID NO 43
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-006-972A-43

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        753 CGGGATTGATGACGAGTC 770
              ||||||| ||  ||||||
Db          3 CGGGATTCATCCCGAGTC 20


RESULT 1373
US-10-027-983-67/c
; Sequence 67, Application US/10027983
; Publication No. US20030139360A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  APPLICANT:  Mark P. Roach
;  TITLE OF INVENTION: ANTISENSE MODULATION OF ESTROGEN RECEPTOR ALPHA EXPRESSION
;  FILE REFERENCE: RTS-0340
;  CURRENT APPLICATION NUMBER: US/10/027,983
;  CURRENT FILING DATE:  2001-12-18
;  NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 67
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-027-983-67

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1137 CCTGGAGAAGATCAAACA 1154
              |||||| ||||||| | |
Db         18 CCTGGACAAGATCACAGA 1


RESULT 1374
US-10-006-191-91
; Sequence 91, Application US/10006191
; Publication No. US20030144223A1
; GENERAL INFORMATION:
;  APPLICANT: William Gaarde
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CONNECTIVE TISSUE GROWTH FACTOR EXPRESSI(
;  FILE REFERENCE: RTS-0274
;  CURRENT APPLICATION NUMBER: US/10/006,191
;  CURRENT FILING DATE:  2001-12-10
;  NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 91
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-006-191-91

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1519 CTCTCCAGCTCTGGCTTC 1536
              |||||   ||||||||||
Db          2 CTCTCACTCTCTGGCTTC 19


RESULT 1375
US-10-006-191-105
; Sequence 105, Application US/10006191
; Publication No. US20030144223A1
; GENERAL INFORMATION:
;  APPLICANT: William Gaarde
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CONNECTIVE TISSUE GROWTH FACTOR EXPRESSIC
;  FILE REFERENCE: RTS-0274
;  CURRENT APPLICATION NUMBER: US/10/006,191
;  CURRENT FILING DATE:  2001-12-10
;  NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 105
;   LENGTH: 20
;   TYPE: DNA
```

ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-10-006-191-105

Query Match 0.6%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 52 GAGGCGAGCAAGATGGCG 69
|||||||||| ||| | |
Db 1 GAGGCGAGCATGATCGGG 18

RESULT 1376
US-10-020-478-82
; Sequence 82, Application US/10020478
; Publication No. US20030144224A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Kenneth Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF B-CELL ASSOCIATED PROTEIN EXPRESSION
; FILE REFERENCE: RTS-0303
; CURRENT APPLICATION NUMBER: US/10/020,478
; CURRENT FILING DATE: 2001-12-13
; NUMBER OF SEQ ID NOS: 88
; SEQ ID NO 82
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-020-478-82

Query Match 0.6%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1607 TAAAAATTTATTAAATAT 1624
|||||||||||| | ||
Db 1 TAAAAATTTATTGAGAAT 18

RESULT 1377
US-10-371-474-43
; Sequence 43, Application US/10371474
; Publication No. US20030144242A1
; GENERAL INFORMATION:
; APPLICANT: Donna T. Ward
; APPLICANT: William Gaarde
; APPLICANT: Brett P. Monia
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF MEKK4 EXPRESSION
; FILE REFERENCE: RTS-0169
; CURRENT APPLICATION NUMBER: US/10/371,474
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US/09/676,436
; PRIOR FILING DATE: 2000-09-29
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 43
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-371-474-43

Query Match 0.6%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2039 GAGATACTATTTTCATTT 2056
|| ||||| |||| ||||
Db 1 GACATACTGTTTTGATTT 18

RESULT 1378
US-10-247-159-34/c
; Sequence 34, Application US/10247159
; Publication No. US20030157517A1
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; TITLE OF INVENTION: Genotyping the Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 1 (UGT1) Gene
; FILE REFERENCE: 4389-7 (formerly SEQ-17CIP)
; CURRENT APPLICATION NUMBER: US/10/247,159
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 09/305,856
; PRIOR FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 60/084,807
; PRIOR FILING DATE: 1998-05-07
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 34
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-10-247-159-34

Query Match 0.6%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1826 AAAGGTGCCCTTATTGAA 1843
||| ||||||| |||||
Db 18 AAAACTGCCCTTCTTGAA 1

RESULT 1379
US-10-259-451-12
; Sequence 12, Application US/10259451
; Publication No. US20030162796A1
; GENERAL INFORMATION:
; APPLICANT: Boehringer Ingelheim International GmbH
; TITLE OF INVENTION: Pharmaceutical composition for the treatment of disorders of
; TITLE OF INVENTION: non-human mammals
; FILE REFERENCE: Case 12_221
; CURRENT APPLICATION NUMBER: US/10/259,451
; CURRENT FILING DATE: 2002-09-30
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-259-451-12

Query Match 0.6%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1234 GAGGAGAGTGGCGATGAG 1251
|||||| |||| | ||||
Db 3 GAGGAGGGTGGGGCTGAG 20

RESULT 1380
US-10-109-799-6/c
; Sequence 6, Application US/10109799
; Publication No. US20030166284A1
; GENERAL INFORMATION:

```
;  APPLICANT: Srivastava, Arun
;  APPLICANT:  Ponnazhagan, Selvarangan
;  APPLICANT:  Chloemer, Robert H.
;  APPLICANT:  Wang, Xu-Shan
;  APPLICANT:  Yoder, Mervin C.
;  APPLICANT:  Zhou, Shang-Zhen
;  APPLICANT:  Escobedo, Jaime
;  APPLICANT:  Varivani, Dwarki
;  TITLE OF INVENTION: An AAV Vector Having Two Modified D-Sequences (As Amended)
;  FILE REFERENCE: 1242.003
;  CURRENT APPLICATION NUMBER: US/10/109,799
;  CURRENT FILING DATE:  2002-03-28
;  PRIOR APPLICATION NUMBER: US/08/921,497
;  PRIOR FILING DATE: 1997-09-02
;  PRIOR APPLICATION NUMBER: US 60/025,616
;  PRIOR FILING DATE: 1996-09-06
;  PRIOR APPLICATION NUMBER: US 60/025,649
;  PRIOR FILING DATE: 1996-09-11
;  NUMBER OF SEQ ID NOS: 26
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: mouse
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: primer for the mouse beta-actin gene
US-10-109-799-6

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        928 AAGAGCTTTAACCTGCCT 945
              ||||||| | | ||||||
Db         20 AAGAGCTATGAGCTGCCT 3


RESULT 1381
US-10-289-845-14/c
; Sequence 14, Application US/10289845
; Publication No. US20030170679A1
; GENERAL INFORMATION:
;  APPLICANT: Wood, Linda
;  APPLICANT:  Wagner, Susanne
;  APPLICANT:  Parodi, Luis
;  TITLE OF INVENTION: Single Nucleotide Polymorphisms in GH-1
;  FILE REFERENCE: 00791.US1
;  CURRENT APPLICATION NUMBER: US/10/289,845
;  CURRENT FILING DATE:  2002-11-07
;  NUMBER OF SEQ ID NOS: 51
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   OTHER INFORMATION: primer
US-10-289-845-14

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1330 TCTGAAGAGGAGGGAGAG 1347
              |||||| ||||||  |||
Db         18 TCTGAAAAGGAGGAGGAG 1


RESULT 1382
US-10-393-602-52
; Sequence 52, Application US/10393602
; Publication No. US20030170714A1
;   GENERAL INFORMATION:
;        APPLICANT: Gregory Dolganov
;        TITLE OF INVENTION: Transcripts Encoding Immunomodulatory
;                            Polypeptides
;        NUMBER OF SEQUENCES: 151
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Dehlinger & Associates
;             STREET: 350 Cambridge Avenue, Suite 250
;             CITY: Palo Alto
;             STATE: CA
;             COUNTRY: USA
;             ZIP: 94306
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/393,602
;             FILING DATE: 19-Mar-2003
;             CLASSIFICATION: 435
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/08/592,126
;             FILING DATE: 26-JAN-1996
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Sholtz, Charles K.
;             REGISTRATION NUMBER: 38,615
;             REFERENCE/DOCKET NUMBER: 4600-0111
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 324-0880
;             TELEFAX: (415) 324-0960
;   INFORMATION FOR SEQ ID NO: 52:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        HYPOTHETICAL: NO
;        ANTI-SENSE: NO
;        ORIGINAL SOURCE:
;             INDIVIDUAL ISOLATE: oligonucleotide #4578
;        SEQUENCE DESCRIPTION: SEQ ID NO: 52:
US-10-393-602-52

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1029 GGAGATCCCTAATGAGCT 1046
              ||||||| || | |||||
Db          3 GGAGATCTCTTAAGAGCT 20


RESULT 1383
US-10-262-666-77
; Sequence 77, Application US/10262666
; Publication No. US20030180298A1
; GENERAL INFORMATION:
;  APPLICANT: Nakayama, Eiichi
;  APPLICANT:  Ono, Toshiro
;  APPLICANT:  Old, Lloyd J.
;  APPLICANT:  Hasegawa, Kosei
;  APPLICANT:  Matsushita, Hirokazu
;  TITLE OF INVENTION: CANCER-TESTIS ANTIGENS
;  FILE REFERENCE: L00461.70140
;  CURRENT APPLICATION NUMBER: US/10/262,666
;  CURRENT FILING DATE:  2002-10-01
;  PRIOR APPLICATION NUMBER: PCT/US02/12497
;  PRIOR FILING DATE: 2002-04-19
;  PRIOR APPLICATION NUMBER: US 60/356,937
;  PRIOR FILING DATE: 2002-02-14
;  PRIOR APPLICATION NUMBER: US 60/285,343
```

```
   PRIOR FILING DATE: 2001-04-20
;  NUMBER OF SEQ ID NOS: 80
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 77
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Homo sapiens
JS-10-262-666-77

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        438 TAAGCAGCAGACGGACAT 455
              |||||| | ||||| |||
Db          2 TAAGCACCGGACGGCCAT 19


RESULT 1384
JS-10-032-585-5398
; Sequence 5398, Application US/10032585
; Publication No. US20030180953A1
; GENERAL INFORMATION:
;  APPLICANT: Terry, Roemer D.
;  APPLICANT:  Bo, Jiang
;  APPLICANT:  Charles, Boone
;  APPLICANT:  Howard, Bussey
;  TITLE OF INVENTION: Gene Disruption Methodologies for Drug Target Discovery
;  FILE REFERENCE: 10182-005-999
;  CURRENT APPLICATION NUMBER: US/10/032,585
;  CURRENT FILING DATE:  2001-12-20
;  NUMBER OF SEQ ID NOS: 8000
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5398
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Candida albicans
JS-10-032-585-5398

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1286 GCTCCTCTGACAAACGAA 1303
              || ||||  |||||||||
Db          1 GCCCCTCCAACAAACGAA 18


RESULT 1385
JS-10-114-153-202
; Sequence 202, Application US/10114153
; Publication No. US20030185815A1
; GENERAL INFORMATION:
;  APPLICANT: Padigaru, Muralidhara
;  APPLICANT:  Shenoy, Suresh
;  APPLICANT:  Kekuda, Ramesh
;  APPLICANT:  Rastelli, Luca
;  APPLICANT:  Mezes, Peter
;  APPLICANT:  Smithson, Glennda
;  APPLICANT:  Guo, Xiaojia
;  APPLICANT:  Gerlach, Valerie
;  APPLICANT:  Casman, Stacie
;  APPLICANT:  Boldog, Ferenc
;  APPLICANT:  Li, Li
;  APPLICANT:  Zerhusen, Bryan
;  APPLICANT:  Tchernev, Velizar
;  APPLICANT:  Gangolli, Esha
;  APPLICANT:  Vernet, Corine
;  APPLICANT:  Spytek, Kimberly
;  APPLICANT:  Malyankar, Uriel
;  APPLICANT:  Patturajan, Meera
;  APPLICANT:  Miller, Charles
;  APPLICANT:  Taupier, Raymond J. Jr.
;  APPLICANT:  Heyes, Melvyn
;  APPLICANT:  Ju, Jingfang
;  APPLICANT:  Peyman, John
;  APPLICANT:  Catterton, Elina
;  APPLICANT:  MacDougall, John
;  APPLICANT:  Edinger, Shlomit
;  APPLICANT:  Stone, David
;  APPLICANT:  Mazur, Ann
;  TITLE OF INVENTION: NOVEL ANTIBODIES THAT BIND TO ANTIGENIC POLYPEPTIDES, NUCLEIC AC
;  TITLE OF INVENTION:  ENCODING THE ANTIGENS, AND METHODS OF USE
;  FILE REFERENCE: 21402-322A
;  CURRENT APPLICATION NUMBER: US/10/114,153
;  CURRENT FILING DATE:  2002-08-06
;  PRIOR APPLICATION NUMBER: 60/281086
;  PRIOR FILING DATE: 2001-04-03
;  PRIOR APPLICATION NUMBER: 60/281906
;  PRIOR FILING DATE: 2001-04-05
;  PRIOR APPLICATION NUMBER: 60/282020
;  PRIOR FILING DATE: 2001-04-06
;  PRIOR APPLICATION NUMBER: 60/282930
;  PRIOR FILING DATE: 2001-04-10
;  PRIOR APPLICATION NUMBER: 60/283512
;  PRIOR FILING DATE: 2001-04-12
;  PRIOR APPLICATION NUMBER: 60/283444
;  PRIOR FILING DATE: 2001-04-12
;  PRIOR APPLICATION NUMBER: 60/283657
;  PRIOR FILING DATE: 2001-04-13
;  PRIOR APPLICATION NUMBER: 60/283710
;  PRIOR FILING DATE: 2001-04-13
;  PRIOR APPLICATION NUMBER: 60/283678
;  PRIOR FILING DATE: 2001-04-13
;  PRIOR APPLICATION NUMBER: 60/284234
;  PRIOR FILING DATE: 2001-04-17
;  Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 251
; SEQ ID NO 202
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence: Reverse Primer
US-10-114-153-202

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1555 TTCTTCCCCAACCCCTCA 1572
              |||||||||| || || |
Db          2 TTCTTCCCCAGCCACTTA 19


RESULT 1386
US-10-114-153-205
; Sequence 205, Application US/10114153
; Publication No. US20030185815A1
; GENERAL INFORMATION:
;  APPLICANT: Padigaru, Muralidhara
;  APPLICANT:  Shenoy, Suresh
;  APPLICANT:  Kekuda, Ramesh
;  APPLICANT:  Rastelli, Luca
;  APPLICANT:  Mezes, Peter
;  APPLICANT:  Smithson, Glennda
;  APPLICANT:  Guo, Xiaojia
;  APPLICANT:  Gerlach, Valerie
;  APPLICANT:  Casman, Stacie
;  APPLICANT:  Boldog, Ferenc
;  APPLICANT:  Li, Li
;  APPLICANT:  Zerhusen, Bryan
;  APPLICANT:  Tchernev, Velizar
;  APPLICANT:  Gangolli, Esha
;  APPLICANT:  Vernet, Corine
;  APPLICANT:  Spytek, Kimberly
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```
;  APPLICANT:  Malyankar, Uriel
;  APPLICANT:  Patturajan, Meera
;  APPLICANT:  Miller, Charles
;  APPLICANT:  Taupier, Raymond J. Jr.
;  APPLICANT:  Heyes, Melvyn
;  APPLICANT:  Ju, Jingfang
;  APPLICANT:  Peyman, John
;  APPLICANT:  Catterton, Elina
;  APPLICANT:  MacDougall, John
;  APPLICANT:  Edinger, Shlomit
;  APPLICANT:  Stone, David
;  APPLICANT:  Mazur, Ann
;  TITLE OF INVENTION: NOVEL ANTIBODIES THAT BIND TO ANTIGENIC POLYPEPTIDES, NUCLEIC ACI
;  TITLE OF INVENTION:  ENCODING THE ANTIGENS, AND METHODS OF USE
;  FILE REFERENCE: 21402-322A
;  CURRENT APPLICATION NUMBER: US/10/114,153
;  CURRENT FILING DATE:  2002-08-06
;  PRIOR APPLICATION NUMBER: 60/281086
;  PRIOR FILING DATE: 2001-04-03
;  PRIOR APPLICATION NUMBER: 60/281906
;  PRIOR FILING DATE: 2001-04-05
;  PRIOR APPLICATION NUMBER: 60/282020
;  PRIOR FILING DATE: 2001-04-06
;  PRIOR APPLICATION NUMBER: 60/282930
;  PRIOR FILING DATE: 2001-04-10
;  PRIOR APPLICATION NUMBER: 60/283512
;  PRIOR FILING DATE: 2001-04-12
;  PRIOR APPLICATION NUMBER: 60/283444
;  PRIOR FILING DATE: 2001-04-12
;  PRIOR APPLICATION NUMBER: 60/283657
;  PRIOR FILING DATE: 2001-04-13
;  PRIOR APPLICATION NUMBER: 60/283710
;  PRIOR FILING DATE: 2001-04-13
;  PRIOR APPLICATION NUMBER: 60/283678
;  PRIOR FILING DATE: 2001-04-13
;  PRIOR APPLICATION NUMBER: 60/284234
;  PRIOR FILING DATE: 2001-04-17
;  Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 251
; SEQ ID NO 205
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Reverse Primer
US-10-114-153-205

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1555 TTCTTCCCCAACCCCTCA 1572
              |||||||||| || || |
Db          2 TTCTTCCCCAGCCACTTA 19


RESULT 1387
US-10-109-349A-262
; Sequence 262, Application US/10109349A
; Publication No. US20030186246A1
; GENERAL INFORMATION:
;  APPLICANT: Medical College of Ohio
;  APPLICANT:  Willey, James C.
;  APPLICANT:  Crawford, Erin L.
;  TITLE OF INVENTION: MULTIPLEX STANDARDIZED REVERSE TRANSCRIPTASE-POLYMERASE CHAIN REA
;  TITLE OF INVENTION:  METHOD FOR ASSESSMENT OF GENE EXPRESSION IN SMALL BIOLOGICAL SAM
;  FILE REFERENCE: 01154/2001-203
;  CURRENT APPLICATION NUMBER: US/10/109,349A
;  CURRENT FILING DATE:  2002-06-12
;  NUMBER OF SEQ ID NOS: 282
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 262
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-109-349A-262

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        708 GGCTGGCAAAGGCAAGTA 725
              ||  |||||||| |||||
Db          2 GGTGGGCAAAGGGAAGTA 19


RESULT 1388
US-10-422-996-5/c
; Sequence 5, Application US/10422996
; Publication No. US20030186438A1
; GENERAL INFORMATION:
;  APPLICANT: Societe Des Produicts Nestle S.A.
;  TITLE OF INVENTION: Immotalized preosteoblasts and method for their production
;  FILE REFERENCE: 88265-6059
;  CURRENT APPLICATION NUMBER: US/10/422,996
;  CURRENT FILING DATE:  2003-04-25
;  PRIOR APPLICATION NUMBER: PCT/EP01/12441
;  PRIOR FILING DATE: 2001-10-26
;  PRIOR APPLICATION NUMBER: EP 00123570.4
;  PRIOR FILING DATE: 2001-10-27
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: primer
US-10-422-996-5

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1553 GTTTCTTCCCCAACCCCT 1570
              ||||||||| | ||| ||
Db         18 GTTTCTTCCACCACCTCT 1


RESULT 1389
US-10-165-099-251
; Sequence 251, Application US/10165099
; Publication No. US20030188326A1
; GENERAL INFORMATION:
;  APPLICANT: D'Andrea, Alan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS OF CANCER SUSCEPTIBIL
;  TITLE OF INVENTION:  DEFECTIVE DNA REPAIR MECHANISMS AND TREATMENT THEREOF
;  FILE REFERENCE: 7032/2055
;  CURRENT APPLICATION NUMBER: US/10/165,099
;  CURRENT FILING DATE:  2002-06-06
;  PRIOR APPLICATION NUMBER: US 09/998,027
;  PRIOR FILING DATE: 2001-11-02
;  PRIOR APPLICATION NUMBER: US 60/245,756
;  PRIOR FILING DATE: 2000-11-03
;  NUMBER OF SEQ ID NOS: 352
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 251
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-10-165-099-251

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
```

```
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1654 CCGAGCTCAGGGCAGCTG 1671
              || | ||||||||||| ||
Db          2 CCCATCTCAGGGCAGATG 19


RESULT 1390
US-10-321-856-285/c
; Sequence 285, Application US/10321856
; Publication No. US20030194393A1
; GENERAL INFORMATION:
;  APPLICANT: Milhausen, Michael James
;  TITLE OF INVENTION: TOXOPLASMA GONDII PROTEINS, NUCLEIC ACID MOLECULES, AND USES THER
;  FILE REFERENCE: TX-1-C2-1
;  CURRENT APPLICATION NUMBER: US/10/321,856
;  CURRENT FILING DATE:  2002-12-17
;  PRIOR APPLICATION NUMBER: 09/216,393
;  PRIOR FILING DATE: 1998-12-18
;  PRIOR APPLICATION NUMBER: 08/994,825
;  PRIOR FILING DATE: 1997-12-19
;  NUMBER OF SEQ ID NOS: 366
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 285
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Primer
US-10-321-856-285

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        807 AATGGAGATGTTCCAGCC 824
              ||||| |||||||  |||
Db         19 AATGGTGATGTTCTCGCC 2


RESULT 1391
US-10-085-871C-8
; Sequence 8, Application US/10085871C
; Publication No. US20030199047A1
; GENERAL INFORMATION:
;  APPLICANT: Lee, Fang-Yu
;  APPLICANT:  Lee, Ming-Liang
;  APPLICANT:  Anderson, Hong C.
;  APPLICANT:  Chiu, Schung-Ching
;  TITLE OF INVENTION: New Strains of Saccharaothrix, Process for Producing Pravastain U
;  TITLE OF INVENTION:  Strains and Isolation Process of (HMG)-COA Reductase
;  FILE REFERENCE: 004135.P005
;  CURRENT APPLICATION NUMBER: US/10/085,871C
;  CURRENT FILING DATE:  2002-02-27
;  NUMBER OF SEQ ID NOS: 12
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix 45494
US-10-085-871C-8

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        807 AATGGAGATGTTCCAGCC 824
              || |||| || |||||||
Db          3 AAAGGAGGTGATCCAGCC 20


RESULT 1392
US-10-085-871C-12
; Sequence 12, Application US/10085871C
; Publication No. US20030199047A1
; GENERAL INFORMATION:
;  APPLICANT: Lee, Fang-Yu
;  APPLICANT:  Lee, Ming-Liang
;  APPLICANT:  Anderson, Hong C.
;  APPLICANT:  Chiu, Schung-Ching
;  TITLE OF INVENTION: New Strains of Saccharaothrix, Process for Producing Pravastain
;  TITLE OF INVENTION:  Strains and Isolation Process of (HMG)-COA Reductase
;  FILE REFERENCE: 004135.P005
;  CURRENT APPLICATION NUMBER: US/10/085,871C
;  CURRENT FILING DATE:  2002-02-27
;  NUMBER OF SEQ ID NOS: 12
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix 4549
US-10-085-871C-12

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        807 AATGGAGATGTTCCAGCC 824
              || |||| || |||||||
Db          3 AAAGGAGGTGATCCAGCC 20


RESULT 1393
US-10-005-344-237/c
; Sequence 237, Application US/10005344
; Publication No. US20030203862A1
; GENERAL INFORMATION:
;  APPLICANT: Loren J. Miraglia
;  APPLICANT:  Pamela Nero
;  APPLICANT:  Mark J. Graham
;  APPLICANT:  Brett P. Monia
;  APPLICANT:  Erich Koller
;  APPLICANT:  MingYi Chiang
;  APPLICANT:  Mano Manoharan
;  TITLE OF INVENTION: Antisense Modulation of mdm2 expression.
;  FILE REFERENCE: ISPH-0622
;  CURRENT APPLICATION NUMBER: US/10/005,344
;  CURRENT FILING DATE:  2001-12-04
;  PRIOR APPLICATION NUMBER: US 09/048,810
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: US 09/280,805
;  PRIOR FILING DATE: 1999-03-26
;  NUMBER OF SEQ ID NOS: 379
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 237
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-005-344-237

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1613 TTTATTAAATATAAATAT 1630
              ||| |||||||| ||||
Db         19 TTTCTTAAATATGTATAT 2


RESULT 1394
```

```
US-10-005-344-246
; Sequence 246, Application US/10005344
; Publication No. US20030203862A1
; GENERAL INFORMATION:
;  APPLICANT: Loren J. Miraglia
;  APPLICANT:  Pamela Nero
;  APPLICANT:  Mark J. Graham
;  APPLICANT:  Brett P. Monia
;  APPLICANT:  Erich Koller
;  APPLICANT:  MingYi Chiang
;  APPLICANT:  Mano Manoharan
;  TITLE OF INVENTION: Antisense Modulation of mdm2 expression.
;  FILE REFERENCE: ISPH-0622
;  CURRENT APPLICATION NUMBER: US/10/005,344
;  CURRENT FILING DATE:  2001-12-04
;  PRIOR APPLICATION NUMBER: US 09/048,810
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: US 09/280,805
;  PRIOR FILING DATE: 1999-03-26
;  NUMBER OF SEQ ID NOS: 379
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 246
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-005-344-246

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1951 GCCTCAAGTGAGCCAAGA 1968
              || |  ||||||||||||
Db             3 GCTTGCAGTGAGCCAAGA 20


RESULT 1395
US-10-448-836-55/c
; Sequence 55, Application US/10448836
; Publication No. US20030207313A1
; GENERAL INFORMATION:
;  APPLICANT: KIM, Jeong Joon; SJ HIGHTECH Co., Ltd.
;  APPLICANT:  KIM, Cheol Min
;  APPLICANT:  PARK, Hee Kyung
;  TITLE OF INVENTION: Oligonucleotide for detection and identification of Mycobacteria
;  FILE REFERENCE: PP05020/PCT
;  CURRENT APPLICATION NUMBER: US/10/448,836
;  CURRENT FILING DATE:  2003-05-30
;  PRIOR APPLICATION NUMBER: KR 10-1999-0019631
;  PRIOR FILING DATE: 1999-05-29
;  PRIOR APPLICATION NUMBER: KR 10-1999-0019632
;  PRIOR FILING DATE: 1999-05-29
;  PRIOR APPLICATION NUMBER: KR 10-1999-0019633
;  PRIOR FILING DATE: 1999-05-29
;  PRIOR APPLICATION NUMBER: KR 10-1999-0019634
;  PRIOR FILING DATE: 1999-05-29
;  PRIOR APPLICATION NUMBER: KR 10-1999-0019635
;  PRIOR FILING DATE: 1999-05-29
;  PRIOR APPLICATION NUMBER: KR 10-2000-0018189
;  PRIOR FILING DATE: 2000-04-07
;  NUMBER OF SEQ ID NOS: 243
;  SOFTWARE: KopatentIn 1.71
; SEQ ID NO 55
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: sequence of probe or primer for detecting Mycobacterium vaccae
US-10-448-836-55

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        140 AAGGCCACCCAATGAAGC 157
              ||||||| |||| ||| |
Db         19 AAGGCCATCCAACGAATC 2


RESULT 1396
US-10-360-705-11/c
; Sequence 11, Application US/10360705
; Publication No. US20030215843A1
; GENERAL INFORMATION:
;  APPLICANT: ASSISTANCE PUBLIQUE-HOPITAUX DE PARIS
;  APPLICANT:  POUPON, Raoul
;  APPLICANT:  HERMELIN, Brigitte
;  APPLICANT:  ROSMORDUC, Olivier
;  TITLE OF INVENTION: SCREENING OF A NOVEL HEPATIC SYNDROME AND ITS USES
;  FILE REFERENCE: 45636-5064
;  CURRENT APPLICATION NUMBER: US/10/360,705
;  CURRENT FILING DATE:  2003-02-10
;  PRIOR APPLICATION NUMBER: PCT/FR01/02553
;  PRIOR FILING DATE: 2001-08-06
;  NUMBER OF SEQ ID NOS: 66
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 11
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Amplification Primer
US-10-360-705-11

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1695 CCACCTTGCCACCCATTC 1712
              | |||||| |||| ||||
Db         19 CAACCTTGTCACCAATTC 2


RESULT 1397
US-10-382-328-2/c
; Sequence 2, Application US/10382328
; Publication No. US20030219729A1
; GENERAL INFORMATION:
;  APPLICANT: YASUKAWA, Kiyoshi
;  TITLE OF INVENTION: UNARY AVIAN MYELOBLASTOSIS VIRUS REVERS TRANSCRIPTASE AND ITS US
;  FILE REFERENCE: Q74425
;  CURRENT APPLICATION NUMBER: US/10/382,328
;  CURRENT FILING DATE:  2003-03-06
;  PRIOR APPLICATION NUMBER: JP 2002-071841
;  PRIOR FILING DATE: 2002-03-15
;  NUMBER OF SEQ ID NOS: 4
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-10-382-328-2

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1395 AACAGAGGATGAAAAAGA 1412
              ||| || ||| |||||||
Db         19 AACCGAAGATAAAAAAGA 2
```

```
ESULT 1398
IS-10-094-749-3322/c
  Sequence 3322, Application US/10094749
  Publication No. US20030219741A1
  GENERAL INFORMATION:
    APPLICANT: ISOGAI, TAKAO
    APPLICANT:  SUGIYAMA, TOMOYASU
    APPLICANT:  OTSUKI, TETSUJI
    APPLICANT:  WAKAMATSU, AI
    APPLICANT:  SATO, HIROYUKI
    APPLICANT:  ISHII, SHIZUKO
    APPLICANT:  YAMAMOTO, JUN-ICHI
    APPLICANT:  ISONO, YUUKO
    APPLICANT:  HIO, YURI
    APPLICANT:  OTSUKA, KAORU
    APPLICANT:  NAGAI, KEIICHI
    APPLICANT:  IRIE, RYOTARO
    APPLICANT:  TAMECHIKA, ICHIRO
    APPLICANT:  SEKI, NAOHIKO
    APPLICANT:  YOSHIKAWA, TSUTOMU
    APPLICANT:  OTSUKA, MOTOYUKI
    APPLICANT:  NAGAHARI, KENJI
    APPLICANT:  MASUHO, YASUHIKO
    TITLE OF INVENTION: NOVEL FULL-LENGTH cDNA
    FILE REFERENCE: 084335/0160
    CURRENT APPLICATION NUMBER: US/10/094,749
    CURRENT FILING DATE:  2002-03-12
    PRIOR APPLICATION NUMBER: 60/350,435
    PRIOR FILING DATE: 2002-01-24
    PRIOR APPLICATION NUMBER: JP 2001-328381
    PRIOR FILING DATE: 2001-09-14
    NUMBER OF SEQ ID NOS: 3381
    SOFTWARE: PatentIn Ver. 2.1
  SEQ ID NO 3322
    LENGTH: 20
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Description of Artificial Sequence: an artificially
    OTHER INFORMATION: synthesized primer sequence
JS-10-094-749-3322

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        511 TTCTGTTACGTCAATGAT 528
              |||||| ||| | |||||
Db         18 TTCTGTAACGACCATGAT 1


RESULT 1399
JS-10-094-749-3326/c
; Sequence 3326, Application US/10094749
; Publication No. US20030219741A1
; GENERAL INFORMATION:
;  APPLICANT: ISOGAI, TAKAO
;  APPLICANT:  SUGIYAMA, TOMOYASU
;  APPLICANT:  OTSUKI, TETSUJI
;  APPLICANT:  WAKAMATSU, AI
;  APPLICANT:  SATO, HIROYUKI
;  APPLICANT:  ISHII, SHIZUKO
;  APPLICANT:  YAMAMOTO, JUN-ICHI
;  APPLICANT:  ISONO, YUUKO
;  APPLICANT:  HIO, YURI
;  APPLICANT:  OTSUKA, KAORU
;  APPLICANT:  NAGAI, KEIICHI
;  APPLICANT:  IRIE, RYOTARO
;  APPLICANT:  TAMECHIKA, ICHIRO
;  APPLICANT:  SEKI, NAOHIKO
;  APPLICANT:  YOSHIKAWA, TSUTOMU
;  APPLICANT:  OTSUKA, MOTOYUKI
;  APPLICANT:  NAGAHARI, KENJI
;  APPLICANT:  MASUHO, YASUHIKO
;  TITLE OF INVENTION: NOVEL FULL-LENGTH cDNA
;  FILE REFERENCE: 084335/0160
;  CURRENT APPLICATION NUMBER: US/10/094,749
;  CURRENT FILING DATE:  2002-03-12
;  PRIOR APPLICATION NUMBER: 60/350,435
;  PRIOR FILING DATE: 2002-01-24
;  PRIOR APPLICATION NUMBER: JP 2001-328381
;  PRIOR FILING DATE: 2001-09-14
;  NUMBER OF SEQ ID NOS: 3381
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3326
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: an artificially
;   OTHER INFORMATION: synthesized primer sequence
US-10-094-749-3326

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1006 GAGACAGCTGTGGCCCTG 1023
              || ||| |||||||| ||
Db         20 GATACAACTGTGGCCATG 3


RESULT 1400
US-10-146-860-69/c
; Sequence 69, Application US/10146860
; Publication No. US20030220273A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Kenneth W. Dobie
;  APPLICANT:  Mark P. Roach
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHODIESTERASE 4D EXPRESSION
;  FILE REFERENCE: RTS-0351
;  CURRENT APPLICATION NUMBER: US/10/146,860
;  CURRENT FILING DATE:  2002-05-15
;  NUMBER OF SEQ ID NOS: 100
; SEQ ID NO 69
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-146-860-69

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        956 TGGGAGGCGGTGGTTACA 973
              | |||||| ||| |||||
Db         19 TTGGAGGCTGTGTTTACA 2


RESULT 1401
US-10-388-263-246/c
; Sequence 246, Application US/10388263
; Publication No. US20030228597A1
; GENERAL INFORMATION:
;  APPLICANT: Cowsert, Lex M.
;  APPLICANT:  Baker, Brenda F.
;  APPLICANT:  McNeil, John
;  APPLICANT:  Freier, Susan M.
;  APPLICANT:  Sasmor, Henri M.
;  APPLICANT:  Brooks, Douglas G.
;  APPLICANT:  Ohashi, Cara
;  APPLICANT:  Wyatt, Jacqueline R.
;  APPLICANT:  Borchers, Alexander
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;  APPLICANT:  Vickers, Timothy A.
;  TITLE OF INVENTION: IDENTIFICATION OF GENETIC TARGETS FOR
;  TITLE OF INVENTION:  MODULATION BY OLIGONUCLEOTIDES AND
;  TITLE OF INVENTION:  GENERATION OF OLIGONUCLEOTIDES FOR GENE MODULATION
;  FILE REFERENCE: ISIS-4503
;  CURRENT APPLICATION NUMBER: US/10/388,263
;  CURRENT FILING DATE:  2003-03-12
;  NUMBER OF SEQ ID NOS: 947
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 246
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: PCR Primer
US-10-388-263-246

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        949 CTGATGCTGGGAGGCGGT 966
              ||||||||  | ||| |||
Db         20 CTGATGCTCGAAGGTGGT 3


RESULT 1402
US-10-159-834-78/c
; Sequence 78, Application US/10159834
; Publication No. US20030228688A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF ISOPRENYLCYSTEINE CARBOXYL METHYLTRANSFER
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTS-0299
;  CURRENT APPLICATION NUMBER: US/10/159,834
;  CURRENT FILING DATE:  2002-05-31
;  NUMBER OF SEQ ID NOS: 130
; SEQ ID NO 78
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-159-834-78

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        920 AATTTGTCAAGAGCTTTA 937
              ||  |||||||||  ||||
Db         19 AAACTGTCAAGAGATTTA 2


RESULT 1403
US-10-369-214-19/c
; Sequence 19, Application US/10369214
; Publication No. US20030232037A1
; GENERAL INFORMATION:
;  APPLICANT: Groot, Pieter C.
;  APPLICANT:  Bergenhenegouwen van, Bram J.
;  APPLICANT:  Oosterhout van, Antoon J.M.
;  TITLE OF INVENTION: Genes involved in immune related responses observed
;  TITLE OF INVENTION:  with asthma
;  FILE REFERENCE: P53837US00
;  CURRENT APPLICATION NUMBER: US/10/369,214
;  CURRENT FILING DATE:  2003-02-15
;  PRIOR APPLICATION NUMBER: EP 00202867.8
;  PRIOR FILING DATE: 2000-08-16
;  PRIOR APPLICATION NUMBER: PCT/NL01/00610
;  PRIOR FILING DATE: 2001-08-16
;  NUMBER OF SEQ ID NOS: 139
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: sense primer
;   OTHER INFORMATION: R1-OS-B1-A1
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(20)
US-10-369-214-19

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1423 GAGGAGAAGAAAGAAGTC 1440
              |||||||||  ||||  | |
Db         20 GAGGAGAAGCAAGATGGC 3


RESULT 1404
US-10-172-911-57/c
; Sequence 57, Application US/10172911
; Publication No. US20030232434A1
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PTPN12 EXPRESSION
;  FILE REFERENCE: PTS-0016
;  CURRENT APPLICATION NUMBER: US/10/172,911
;  CURRENT FILING DATE:  2002-06-17
;  NUMBER OF SEQ ID NOS: 123
; SEQ ID NO 57
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-172-911-57

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1302 AATTGCCTGTGAGGAAGA 1319
              ||||  |  ||||||||  ||
Db         20 AATTTCTTGTGAGGATGA 3


RESULT 1405
US-10-172-911-110
; Sequence 110, Application US/10172911
; Publication No. US20030232434A1
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PTPN12 EXPRESSION
;  FILE REFERENCE: PTS-0016
;  CURRENT APPLICATION NUMBER: US/10/172,911
;  CURRENT FILING DATE:  2002-06-17
;  NUMBER OF SEQ ID NOS: 123
; SEQ ID NO 110
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-172-911-110

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;
```

```
Qy       1302 AATTGCCTGTGAGGAAGA 1319
              |||| | |||||||| ||
Db          1 AATTTCTTGTGAGGATGA 18


RESULT 1406
US-10-173-817-22
; Sequence 22, Application US/10173817
; Publication No. US20030232438A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF KOX 1 EXPRESSION
;  FILE REFERENCE: RTS-0359
;  CURRENT APPLICATION NUMBER: US/10/173,817
;  CURRENT FILING DATE:  2002-06-17
;  NUMBER OF SEQ ID NOS: 131
; SEQ ID NO 22
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-173-817-22

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1943 TCCCACTGGCCTCAAGTG 1960
              | ||||| ||||||| ||
Db          1 TGCCACTTGCCTCAAATG 18


RESULT 1407
US-10-173-817-93/c
; Sequence 93, Application US/10173817
; Publication No. US20030232438A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF KOX 1 EXPRESSION
;  FILE REFERENCE: RTS-0359
;  CURRENT APPLICATION NUMBER: US/10/173,817
;  CURRENT FILING DATE:  2002-06-17
;  NUMBER OF SEQ ID NOS: 131
; SEQ ID NO 93
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-173-817-93

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1943 TCCCACTGGCCTCAAGTG 1960
              | ||||| ||||||| ||
Db         20 TGCCACTTGCCTCAAATG 3


RESULT 1408
US-10-174-460-19
; Sequence 19, Application US/10174460
; Publication No. US20030232441A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  C. Frank Bennett
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF DUAL SPECIFIC PHOSPHATASE 4 EXPRESSION
;  FILE REFERENCE: PTS-0014
;  CURRENT APPLICATION NUMBER: US/10/174,460
;  CURRENT FILING DATE:  2002-06-17
;  NUMBER OF SEQ ID NOS: 109
; SEQ ID NO 19
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-174-460-19

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         76 CAGGGCACCCGGAGGAAA 93
              | ||| || |||||||||
Db          2 CTGGGTACTCGGAGGAAA 19


RESULT 1409
US-10-174-460-87/c
; Sequence 87, Application US/10174460
; Publication No. US20030232441A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  C. Frank Bennett
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF DUAL SPECIFIC PHOSPHATASE 4 EXPRESSION
;  FILE REFERENCE: PTS-0014
;  CURRENT APPLICATION NUMBER: US/10/174,460
;  CURRENT FILING DATE:  2002-06-17
;  NUMBER OF SEQ ID NOS: 109
; SEQ ID NO 87
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-174-460-87

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         76 CAGGGCACCCGGAGGAAA 93
              | ||| || |||||||||
Db         19 CTGGGTACTCGGAGGAAA 2


RESULT 1410
US-10-174-559-15/c
; Sequence 15, Application US/10174559
; Publication No. US20030232773A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF DRAK1 EXPRESSION
;  FILE REFERENCE: PTS-0006
;  CURRENT APPLICATION NUMBER: US/10/174,559
;  CURRENT FILING DATE:  2002-06-17
;  NUMBER OF SEQ ID NOS: 112
; SEQ ID NO 15
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-174-559-15

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;
```

```
Qy       1266 TGACAAGCGCATCTCGAT 1283
              ||||||| | ||||| ||
Db         20 TGACAAGTGAATCTCCAT 3
```

RESULT 1411
US-10-174-559-87
; Sequence 87, Application US/10174559
; Publication No. US20030232773A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Susan M. Freier
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF DRAK1 EXPRESSION
; FILE REFERENCE: PTS-0006
; CURRENT APPLICATION NUMBER: US/10/174,559
; CURRENT FILING DATE: 2002-06-17
; NUMBER OF SEQ ID NOS: 112
; SEQ ID NO 87
; LENGTH: 20
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
US-10-174-559-87

Query Match 0.6%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1266 TGACAAGCGCATCTCGAT 1283
              ||||||| | ||||| ||
Db          1 TGACAAGTGAATCTCCAT 18
```

RESULT 1412
US-10-448-914A-55/c
; Sequence 55, Application US/10448914A
; Publication No. US20030235856A1
; GENERAL INFORMATION:
; APPLICANT: KIM, Jeong Joon; SJ HIGHTECH Co., Ltd.
; APPLICANT: KIM, Cheol Min
; APPLICANT: PARK, Hee Kyung
; TITLE OF INVENTION: Oligonucleotide for detection and identification of Mycobacteria
; FILE REFERENCE: PP05020/PCT
; CURRENT APPLICATION NUMBER: US/10/448,914A
; CURRENT FILING DATE: 2003-05-30
; PRIOR APPLICATION NUMBER: KR 10-1999-0019631
; PRIOR FILING DATE: 1999-05-29
; PRIOR APPLICATION NUMBER: KR 10-1999-0019632
; PRIOR FILING DATE: 1999-05-29
; PRIOR APPLICATION NUMBER: KR 10-1999-0019633
; PRIOR FILING DATE: 1999-05-29
; PRIOR APPLICATION NUMBER: KR 10-1999-0019634
; PRIOR FILING DATE: 1999-05-29
; PRIOR APPLICATION NUMBER: KR 10-1999-0019635
; PRIOR FILING DATE: 1999-05-29
; PRIOR APPLICATION NUMBER: KR 10-2000-0018189
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 243
; SOFTWARE: KopatentIn 1.71
; SEQ ID NO 55
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: sequence of probe or primer for detecting Mycobacterium vaccae
US-10-448-914A-55

Query Match 0.6%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy        140 AAGGCCACCCAATGAAGC 157
              ||||||| |||| ||| |
Db         19 AAGGCCATCCAACGAATC 2
```

RESULT 1413
US-10-177-798-35
; Sequence 35, Application US/10177798
; Publication No. US20030235912A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF ORPHAN G-PROTEIN COUPLED RECEPTOR GPRC5B
; TITLE OF INVENTION: EXPRESSION
; FILE REFERENCE: PTS-0047
; CURRENT APPLICATION NUMBER: US/10/177,798
; CURRENT FILING DATE: 2002-06-19
; NUMBER OF SEQ ID NOS: 70
; SEQ ID NO 35
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-177-798-35

Query Match 0.6%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy         61 AAGATGGCGCAGACGCAG 78
              |||||| || |||| |||
Db          1 AAGATGACGAAGACCCAG 18
```

RESULT 1414
US-10-177-798-66/c
; Sequence 66, Application US/10177798
; Publication No. US20030235912A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF ORPHAN G-PROTEIN COUPLED RECEPTOR GPRC5B
; TITLE OF INVENTION: EXPRESSION
; FILE REFERENCE: PTS-0047
; CURRENT APPLICATION NUMBER: US/10/177,798
; CURRENT FILING DATE: 2002-06-19
; NUMBER OF SEQ ID NOS: 70
; SEQ ID NO 66
; LENGTH: 20
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
US-10-177-798-66

Query Match 0.6%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy         61 AAGATGGCGCAGACGCAG 78
              |||||| || |||| |||
Db         20 AAGATGACGAAGACCCAG 3
```

RESULT 1415
US-10-173-192-25/c
; Sequence 25, Application US/10173192
; Publication No. US20030236204A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
; FILE REFERENCE: PTS-0022

```
;  CURRENT APPLICATION NUMBER: US/10/173,192
;  CURRENT FILING DATE:  2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 25
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
JS-10-173-192-25

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        564 CCAGAGGGTGCTGTACAT 581
              ||||| | |||||| |||
Db         18 CCAGAAGATGCTGTTCAT 1


RESULT 1416
JS-10-173-192-35/c
; Sequence 35, Application US/10173192
; Publication No. US20030236204A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/173,192
;  CURRENT FILING DATE:  2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 35
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
JS-10-173-192-35

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        760 GATGACGAGTCCTATGAG 777
              ||||| ||||| |||| |
Db         20 GATGATGAGTCATATGGG 3


RESULT 1417
US-10-173-192-57
; Sequence 57, Application US/10173192
; Publication No. US20030236204A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/173,192
;  CURRENT FILING DATE:  2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 57
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-173-192-57

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        564 CCAGAGGGTGCTGTACAT 581
              ||||| | |||||| |||
Db          3 CCAGAAGATGCTGTTCAT 20


RESULT 1418
US-10-177-573-14/c
; Sequence 14, Application US/10177573
; Publication No. US20030236206A1
; GENERAL INFORMATION:
;  APPLICANT: Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PPP3R1 EXPRESSION
;  FILE REFERENCE: RTS-0364
;  CURRENT APPLICATION NUMBER: US/10/177,573
;  CURRENT FILING DATE:  2002-06-20
;  NUMBER OF SEQ ID NOS: 104
; SEQ ID NO 14
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-177-573-14

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1178 TGCTGCCGCACGCACCTG 1195
              || || ||||| ||||||
Db         20 TGATGGCGCACACACCTG 3


RESULT 1419
US-10-271-602B-19
; Sequence 19, Application US/10271602B
; Publication No. US20040002073A1
; GENERAL INFORMATION:
;  APPLICANT: Alice Xiang Li
;  APPLICANT:  Ghazala Hashmi
;  APPLICANT:  Michael Seul
;  TITLE OF INVENTION: MULTIPLEXED ANALYSIS OF POLYMORPHIC LOCI
;  TITLE OF INVENTION:  BY CONCURRENT INTERROGATION AND ENZYME-MEDIATED DETECTION
;  FILE REFERENCE: eMAP-US
;  CURRENT APPLICATION NUMBER: US/10/271,602B
;  CURRENT FILING DATE:  2002-10-15
;  PRIOR APPLICATION NUMBER: 60/329,427
;  PRIOR FILING DATE: 2001-10-14
;  PRIOR APPLICATION NUMBER: 60/329,620
;  PRIOR FILING DATE: 2001-10-15
;  PRIOR APPLICATION NUMBER: 60/329,428
;  PRIOR FILING DATE: 2001-10-14
;  PRIOR APPLICATION NUMBER: 60/329,619
;  PRIOR FILING DATE: 2001-10-15
;  PRIOR APPLICATION NUMBER: 60/364,416
;  PRIOR FILING DATE: 2002-03-14
;  NUMBER OF SEQ ID NOS: 212
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 19
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Probe sequence derived from human genomic sequence
US-10-271-602B-19

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        542 TCCTGGAACTGCTAAAGT 559
              || |||| ||||| ||||
Db          2 TCTTGGAGCTGCTTAAGT 19
```

```
RESULT 1420
US-10-271-602B-28
; Sequence 28, Application US/10271602B
; Publication No. US20040002073A1
; GENERAL INFORMATION:
;  APPLICANT: Alice Xiang Li
;  APPLICANT:  Ghazala Hashmi
;  APPLICANT:  Michael Seul
;  TITLE OF INVENTION: MULTIPLEXED ANALYSIS OF POLYMORPHIC LOCI
;  TITLE OF INVENTION:  BY CONCURRENT INTERROGATION AND ENZYME-MEDIATED DETECTION
;  FILE REFERENCE: eMAP-US
;  CURRENT APPLICATION NUMBER: US/10/271,602B
;  CURRENT FILING DATE:  2002-10-15
;  PRIOR APPLICATION NUMBER: 60/329,427
;  PRIOR FILING DATE: 2001-10-14
;  PRIOR APPLICATION NUMBER: 60/329,620
;  PRIOR FILING DATE: 2001-10-15
;  PRIOR APPLICATION NUMBER: 60/329,428
;  PRIOR FILING DATE: 2001-10-14
;  PRIOR APPLICATION NUMBER: 60/329,619
;  PRIOR FILING DATE: 2001-10-15
;  PRIOR APPLICATION NUMBER: 60/364,416
;  PRIOR FILING DATE: 2002-03-14
;  NUMBER OF SEQ ID NOS: 212
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 28
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Human
US-10-271-602B-28

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        542 TCCTGGAACTGCTAAAGT 559
              || |||| ||||| ||||
Db          2 TCTTGGAGCTGCTTAAGT 19


RESULT 1421
US-10-271-602B-45
; Sequence 45, Application US/10271602B
; Publication No. US20040002073A1
; GENERAL INFORMATION:
;  APPLICANT: Alice Xiang Li
;  APPLICANT:  Ghazala Hashmi
;  APPLICANT:  Michael Seul
;  TITLE OF INVENTION: MULTIPLEXED ANALYSIS OF POLYMORPHIC LOCI
;  TITLE OF INVENTION:  BY CONCURRENT INTERROGATION AND ENZYME-MEDIATED DETECTION
;  FILE REFERENCE: eMAP-US
;  CURRENT APPLICATION NUMBER: US/10/271,602B
;  CURRENT FILING DATE:  2002-10-15
;  PRIOR APPLICATION NUMBER: 60/329,427
;  PRIOR FILING DATE: 2001-10-14
;  PRIOR APPLICATION NUMBER: 60/329,620
;  PRIOR FILING DATE: 2001-10-15
;  PRIOR APPLICATION NUMBER: 60/329,428
;  PRIOR FILING DATE: 2001-10-14
;  PRIOR APPLICATION NUMBER: 60/329,619
;  PRIOR FILING DATE: 2001-10-15
;  PRIOR APPLICATION NUMBER: 60/364,416
;  PRIOR FILING DATE: 2002-03-14
;  NUMBER OF SEQ ID NOS: 212
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 45
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Human
US-10-271-602B-45

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        542 TCCTGGAACTGCTAAAGT 559
              || |||| ||||| ||||
Db          2 TCTTGGAGCTGCTTAAGT 19


RESULT 1422
US-10-277-216-131
; Sequence 131, Application US/10277216
; Publication No. US20040002470A1
; GENERAL INFORMATION:
;  APPLICANT: KEITH, TIM
;  TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES,
;  TITLE OF INVENTION:  OBESITY, AND INFLAMMATORY BOWEL DISEASE
;  FILE REFERENCE: 2976-4051
;  CURRENT APPLICATION NUMBER: US/10/277,216
;  CURRENT FILING DATE:  2002-10-17
;  PRIOR APPLICATION NUMBER: 10/126,022
;  PRIOR FILING DATE: 2002-04-19
;  PRIOR APPLICATION NUMBER: 09/834,597
;  PRIOR FILING DATE: 2001-04-13
;  PRIOR APPLICATION NUMBER: 09/548,797
;  PRIOR FILING DATE: 2000-04-13
;  NUMBER OF SEQ ID NOS: 420
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 131
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-277-216-131

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1545 TCCCTCACGTTTCTTCCC 1562
              ||| ||  ||||||||||
Db          2 TCCTTCCTGTTTCTTCCC 19


RESULT 1423
US-10-188-779A-115
; Sequence 115, Application US/10188779A
; Publication No. US20040005567A1
; GENERAL INFORMATION:
;  APPLICANT: Nicholas M. Dean
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CYCLIN-DEPENDENT KINASE 4 EXPRESSION
;  FILE REFERENCE: PTS-0042
;  CURRENT APPLICATION NUMBER: US/10/188,779A
;  CURRENT FILING DATE:  2002-07-02
;  NUMBER OF SEQ ID NOS: 282
; SEQ ID NO 115
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-188-779A-115

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        138 ACAAGGCCACCCAATGAA 155
              |||||||||||  | |||
Db          2 ACAAGGCCACCTCACGAA 19
```

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RESULT 1424
US-10-188-779A-244/c
; Sequence 244, Application US/10188779A
; Publication No. US20040005567A1
; GENERAL INFORMATION:
;  APPLICANT: Nicholas M. Dean
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CYCLIN-DEPENDENT KINASE 4 EXPRESSION
;  FILE REFERENCE: PTS-0042
;  CURRENT APPLICATION NUMBER: US/10/188,779A
;  CURRENT FILING DATE:  2002-07-02
;  NUMBER OF SEQ ID NOS: 282
; SEQ ID NO 244
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: M. musculus
US-10-188-779A-244

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        138 ACAAGGCCACCCAATGAA 155
              ||||||||||  | |||
Db         19 ACAAGGCCACCTCACGAA 2


RESULT 1425
US-10-349-143-4567
; Sequence 4567, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 4567
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..20
;   OTHER INFORMATION: upstream amplification primer 99-15965 for SEQ 633,
US-10-349-143-4567

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1405 GAAAAAGAGAAAGACCCA 1422
              ||||||  |||||  ||  ||
Db          1 GAAAAACAGAAACACACA 18


RESULT 1426
US-10-349-143-7064/c
; Sequence 7064, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 7064
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..20
;   OTHER INFORMATION: upstream amplification primer 99-23880 for SEQ 3130,
US-10-349-143-7064

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        353 GTGAGGACTGTCCAGTAT 370
              ||  ||||  ||  |||||||
Db         18 GTAAGGAGTGCCCAGTAT 1


RESULT 1427
US-10-349-143-7084/c
; Sequence 7084, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 7084
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..20
;   OTHER INFORMATION: upstream amplification primer 99-24003 for SEQ 3150,
US-10-349-143-7084

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1553 GTTTCTTCCCCAACCCCT 1570
              |||||  ||||  |||  |||
```

```
Db         20 GTTTCATCCCTAACTCCT 3


RESULT 1428
US-10-349-143-10993/c
; Sequence 10993, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 10993
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..20
;   OTHER INFORMATION: downstream amplification primer 99-23876 for SEQ 3128, in complem
US-10-349-143-10993

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1697 ACCTTGCCACCCATTCTT 1714
                | | ||||||||||| |||
Db         18 ATCCTGCCACCCATCCTT 1


RESULT 1429
US-10-452-510-141
; Sequence 141, Application US/10452510
; Publication No. US20040005666A1
; GENERAL INFORMATION:
;  APPLICANT: Hayden, Michael R.
;  APPLICANT:  Brooks-Wilson, Angela R.
;  TITLE OF INVENTION: METHODS AND REAGENTS FOR MODULATING CHOLESTEROL LEVELS
;  FILE REFERENCE: 760050-93
;  CURRENT APPLICATION NUMBER: US/10/452,510
;  CURRENT FILING DATE:  2003-06-02
;  PRIOR APPLICATION NUMBER: US 09/526,193
;  PRIOR FILING DATE: 2000-03-15
;  PRIOR APPLICATION NUMBER: 60/124,702
;  PRIOR FILING DATE: 1999-03-15
;  PRIOR APPLICATION NUMBER: 60/138,048
;  PRIOR FILING DATE: 1999-06-08
;  PRIOR APPLICATION NUMBER: 60/139,600
;  PRIOR FILING DATE: 1999-06-17
;  PRIOR APPLICATION NUMBER: 60/151,977
;  PRIOR FILING DATE: 1999-09-01
;  NUMBER OF SEQ ID NOS: 287
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 141
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-452-510-141

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1514 TGGACCTCTCCAGCTCTG 1531
                || |||||||| |||||
Db          3 TGCACCTCTCCTCCTCTG 20


RESULT 1430
US-10-185-035-65/c
; Sequence 65, Application US/10185035
; Publication No. US20040005706A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF DEXRAS1 EXPRESSION
;  FILE REFERENCE: RTS-0377
;  CURRENT APPLICATION NUMBER: US/10/185,035
;  CURRENT FILING DATE:  2002-06-28
;  NUMBER OF SEQ ID NOS: 135
; SEQ ID NO 65
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-185-035-65

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1467 GAAGCCAGAAGCCAAAGG 1484
                ||| ||| || |||||||
Db         19 GAACCCATAAACCAAAGG 2


RESULT 1431
US-10-188-883-70/c
; Sequence 70, Application US/10188883
; Publication No. US20040006005A1
; GENERAL INFORMATION:
;  APPLICANT: Bhanot, Sanjay
;  TITLE OF INVENTION: USE OF INTEGRIN-LINKED KINASE INHIBITORS FOR TREATING INSULIN RE
;  TITLE OF INVENTION:  HYPERGLYCEMIA AND DIABETES
;  FILE REFERENCE: ISPH-0687
;  CURRENT APPLICATION NUMBER: US/10/188,883
;  CURRENT FILING DATE:  2002-07-02
;  NUMBER OF SEQ ID NOS: 92
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 70
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide.
US-10-188-883-70

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        407 GTGGTTCTGTGGCAAGTG 424
                ||| |||||||| || ||
Db         19 GTGCTTCTGTGGGAACTG 2


RESULT 1432
US-10-190-366-153/c
; Sequence 153, Application US/10190366
; Publication No. US20040006031A1
; GENERAL INFORMATION:
;  APPLICANT: Nicholas M. Dean
```

```
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HMG-COA REDUCTASE EXPRESSION
;  FILE REFERENCE: PTS-0023
;  CURRENT APPLICATION NUMBER: US/10/190,366
;  CURRENT FILING DATE:  2002-07-02
;  NUMBER OF SEQ ID NOS: 409
; SEQ ID NO 153
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-190-366-153

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1860 GCTGGGTCTTCAAGGATC 1877
              ||| ||| |||||||| |
Db         18 GCTAGGTGTTCAAGGAGC 1


RESULT 1433
US-10-190-366-346
; Sequence 346, Application US/10190366
; Publication No. US20040006031A1
; GENERAL INFORMATION:
;  APPLICANT: Nicholas M. Dean
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HMG-COA REDUCTASE EXPRESSION
;  FILE REFERENCE: PTS-0023
;  CURRENT APPLICATION NUMBER: US/10/190,366
;  CURRENT FILING DATE:  2002-07-02
;  NUMBER OF SEQ ID NOS: 409
; SEQ ID NO 346
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: M. musculus
;   FEATURE:
US-10-190-366-346

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1860 GCTGGGTCTTCAAGGATC 1877
              ||| ||| |||||||| |
Db          3 GCTAGGTGTTCAAGGAGC 20


RESULT 1434
US-10-289-762-1559
; Sequence 1559, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 1559
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-1559

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1746 CAGGTCTGGGTGAAAGGG 1763
              | ||||||||| |||| |
Db          2 CTGGTCTGGGTAAAAGCG 19


RESULT 1435
US-10-289-762-1586
; Sequence 1586, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, prev
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 1586
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-1586

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        601 GGTGACGGCGTGGAAGAG 618
              ||||| ||| ||||| ||
Db          1 GGTGAAGGCATGGAAAAG 18


RESULT 1436
US-10-289-762-1695
; Sequence 1695, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, prev
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 1695
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-1695

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        614 AAGAGGCCTTCTACACCA 631
              |||||||||| || | |||
Db          2 AAGAGGCCTGCTGCCCCA 19


RESULT 1437
US-10-289-762-1972/c
; Sequence 1972, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, prev
;  TITLE OF INVENTION:  and treatment of infection
```

```
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 1972
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-1972

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1980 CCCTCTGTCTGTCTTCTC 1997
              |||||| || |||| |||
Db         18 CCCTCTATCGGTCTGCTC 1


RESULT 1438
US-10-289-762-2937
; Sequence 2937, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 2937
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-2937

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1032 GATCCCTAATGAGCTTCC 1049
              ||||| | || |||||||
Db          1 GATCCTTCATCAGCTTCC 18


RESULT 1439
US-10-289-762-2965/c
; Sequence 2965, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 2965
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-2965

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         35 ACTGACGGTAGGGACGGG 52
              |||| |||||  ||||||
Db         18 ACTGTCGGTAATGACGGG 1


RESULT 1440
US-10-289-762-3522/c
; Sequence 3522, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, prev
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 3522
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-3522

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        776 AGGCCATTTTCAAGCCGG 793
              ||| |||||| ||||| |
Db         18 AGGTCATTTTAAAGCCCG 1


RESULT 1441
US-10-289-762-3617/c
; Sequence 3617, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, prev
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 3617
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-3617

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1560 CCCCAACCCCTCAGATTT 1577
              |||||||||| ||| | |
Db         18 CCCCAACCCCACAGCTCT 1


RESULT 1442
US-10-289-762-3864/c
; Sequence 3864, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 3864
;   LENGTH: 20
```

```
   TYPE: DNA
   ORGANISM: Chlamydia pneumoniae
JS-10-289-762-3864

  Query Match              0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        658 CATAAGTATGGAGAGTAC 675
              |||||  |||||||| ||
Db         19 CATAATCATGGAGAGAAC 2


RESULT 1443
JS-10-289-762-3972
; Sequence 3972, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 3972
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
JS-10-289-762-3972

  Query Match              0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        911 AGTGTGTGGAATTTGTCA 928
              | |||||||  |||||  ||
Db          2 ATTGTGTGGGATTTGCCA 19


RESULT 1444
JS-10-289-762-4808
; Sequence 4808, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 4808
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
JS-10-289-762-4808

  Query Match              0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        311 ACATGTCGGAGTACAGCA 328
              | |||| |||||||  |||
Db          1 AAATGTTGGAGTACCGCA 18


RESULT 1445
US-10-289-762-4937
; Sequence 4937, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, prev
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 4937
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-4937

  Query Match              0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1021 CTGGATACGGAGATCCCT 1038
              ||||||  | || ||||||
Db          1 CTGGATTCTGAAATCCCT 18


RESULT 1446
US-10-289-762-5002
; Sequence 5002, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, prev
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 5002
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-5002

  Query Match              0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        940 CTGCCTATGCTGATGCTG 957
              |||||  ||| || |||||
Db          2 CTGCCGATGATGCTGCTG 19


RESULT 1447
US-10-289-762-5682
; Sequence 5682, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, prev
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 5682
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-5682

  Query Match              0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
```

```
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        294 CTCCATCCGTCCAGATAA 311
              ||||| ||||||||  ||
Db          1 CTCCACACGTCCAGAAAA 18


RESULT 1448
US-10-289-762-5852/c
; Sequence 5852, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 5852
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-5852

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1549 TCACGTTTCTTCCCCAAC 1566
              | ||||||||||| ||| |
Db         18 TGACGTTTCTTCTCCAGC 1


RESULT 1449
US-10-289-762-6074
; Sequence 6074, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 6074
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-6074

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        928 AAGAGCTTTAACCTGCCT 945
              | ||||||||||||  | |
Db          2 ACGAGCTTTAACCTCCAT 19


RESULT 1450
US-10-289-762-6132
; Sequence 6132, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 6132
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-6132

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1467 GAAGCCAGAAGCCAAAGG 1484
              ||||| ||||||  ||||
Db          1 GAAGCAAGAAGCACAAGG 18


RESULT 1451
US-10-289-762-6589/c
; Sequence 6589, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, prev
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 6589
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-6589

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        101 ACTACTACGACGGGGATG 118
              ||||| || ||| |||||
Db         19 ACTACCACTACGAGGATG 2


RESULT 1452
US-10-289-762-6592/c
; Sequence 6592, Application US/10289762
; Publication No. US20040006218A1
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, prev
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/10/289,762
;  CURRENT FILING DATE:  2003-03-27
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 6592
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-10-289-762-6592

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        101 ACTACTACGACGGGGATG 118
              ||||| || ||| |||||
Db         20 ACTACCACTACGAGGATG 3
```

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RESULT 1453
US-10-352-179-20
; Sequence 20, Application US/10352179
; Publication No. US20040006788A1
; GENERAL INFORMATION:
;  APPLICANT: Wang, Guo-liang
;  APPLICANT:  Liu, Guifu
;  TITLE OF INVENTION: Procedures and Materials for Conferring Disease Resistance in Pla
;  FILE REFERENCE: 22727/04108
;  CURRENT APPLICATION NUMBER: US/10/352,179
;  CURRENT FILING DATE:  2003-01-27
;  PRIOR APPLICATION NUMBER: 60/352,106
;  PRIOR FILING DATE: 2002-01-25
;  NUMBER OF SEQ ID NOS: 97
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Oryza minuta
US-10-352-179-20

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        940 CTGCCTATGCTGATGCTG 957
              |||||| ||||| || ||
Db          2 CTGCCTCTGCTGTTGTTG 19


RESULT 1454
US-10-131-827-8966
; Sequence 8966, Application US/10131827
; Publication No. US20040009479A1
; GENERAL INFORMATION:
;  APPLICANT: Wohlgemuth, Jay
;  APPLICANT:  Fry, Kirk
;  APPLICANT:  Woodward, Robert
;  APPLICANT:  Ly, Ngoc
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING AUTOIMMUNE
;  TITLE OF INVENTION:  CHRONIC INFLAMMATORY DISEASES
;  FILE REFERENCE: 506612000120
;  CURRENT APPLICATION NUMBER: US/10/131,827
;  CURRENT FILING DATE:  2002-09-06
;  PRIOR APPLICATION NUMBER: US 10/006,290
;  PRIOR FILING DATE: 2001-10-22
;  PRIOR APPLICATION NUMBER: US 60/296,764
;  PRIOR FILING DATE: 2001-06-08
;  NUMBER OF SEQ ID NOS: 9090
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8966
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-10-131-827-8966

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1978 TGCCCTCTGTCTGTCTTC 1995
              || |||||| |||| |||
Db          1 TGGCCTCTGCCTGTTTTC 18


RESULT 1455
US-10-602-853-3
; Sequence 3, Application US/10602853
; Publication No. US20040009588A1
; GENERAL INFORMATION:
;  APPLICANT: Chang, Yung-Nien
;  APPLICANT:  Hallenbeck, Paul L.
;  APPLICANT:  Hay, Carl M.
;  APPLICANT:  Stewart, David A.
;  TITLE OF INVENTION: Vector for Tissue-Specific Replication and Gene
;  TITLE OF INVENTION:  Expression
;  FILE REFERENCE: 1136.0040000
;  CURRENT APPLICATION NUMBER: US/10/602,853
;  CURRENT FILING DATE:  2003-06-24
;  PRIOR APPLICATION NUMBER: US/08/974,391
;  PRIOR FILING DATE: 1997-11-19
;  PRIOR APPLICATION NUMBER: US 08/849,117
;  PRIOR FILING DATE: 1995-11-28
;  PRIOR APPLICATION NUMBER: US 08/487,992
;  PRIOR FILING DATE: 1995-06-07
;  PRIOR APPLICATION NUMBER: US 08/348,258
;  PRIOR FILING DATE: 1994-11-28
;  PRIOR APPLICATION NUMBER: PCT/EP98/07380
;  PRIOR FILING DATE: 1995-11-28
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-10-602-853-3

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1430 AGAAAGAAGTCACCGAAG 1447
              || |||||| ||| ||||
Db          1 AGCAAGAAGCCACGGAAG 18


RESULT 1456
US-10-447-136-121
; Sequence 121, Application US/10447136
; Publication No. US20040009948A1
; GENERAL INFORMATION:
;  APPLICANT: WRIGHT, Jim A.
;  APPLICANT:  YOUNG, Aiping H.
;  TITLE OF INVENTION: Antitumor Antisense Sequences Directed Against R1 and
;  TITLE OF INVENTION:  R2 Components of Ribonucleotide Reductase
;  FILE REFERENCE: 032396-023
;  CURRENT APPLICATION NUMBER: US/10/447,136
;  CURRENT FILING DATE:  2003-05-29
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/249,247
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-02-11
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/023,040
;  PRIOR FILING DATE: EARLIER FILING DATE: 1996-08-02
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/039,959
;  PRIOR FILING DATE: EARLIER FILING DATE: 1997-03-07
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 08/904,901
;  PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-01
;  NUMBER OF SEQ ID NOS: 220
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 121
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Human
US-10-447-136-121

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1908 TCAGCCATTTTTAGATTG 1925
              ||||||| ||||  ||||
Db          3 TCAGCCACTTTTCCATTG 20
```

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RESULT 1457
US-10-199-199-89/c
; Sequence 89, Application US/10199199
; Publication No. US20040014047A1
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF LIM DOMAIN KINASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0375
;  CURRENT APPLICATION NUMBER: US/10/199,199
;  CURRENT FILING DATE:  2002-07-18
;  NUMBER OF SEQ ID NOS: 148
; SEQ ID NO 89
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-199-199-89

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1115 CTAACCAGAACACGAATG 1132
              ||  |||||||| |||||
Db         18 CTTCCCAGAACAAGAATG 1


RESULT 1458
US-10-199-676-51
; Sequence 51, Application US/10199676
; Publication No. US20040014051A1
; GENERAL INFORMATION:
;  APPLICANT: Vickie L. Brown-Driver
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF BREAST CANCER-1 EXPRESSION
;  FILE REFERENCE: PTS-0017
;  CURRENT APPLICATION NUMBER: US/10/199,676
;  CURRENT FILING DATE:  2002-07-18
;  NUMBER OF SEQ ID NOS: 84
; SEQ ID NO 51
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-199-676-51

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        484 CATGCAAAGAAGTCCGAG 501
              ||||||||  ||||| ||
Db          1 CATGCAAAATAGTCCCAG 18


RESULT 1459
US-10-436-715-90
; Sequence 90, Application US/10436715
; Publication No. US20040018976A1
; GENERAL INFORMATION:
;  APPLICANT: Bristol-Myers Squibb Company
;  TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING NOVEL HUMAN G-PROTEIN COUPLED RECEPTORS,
;  TITLE OF INVENTION:  AND SPLICE VARIANTS THEREOF
;  FILE REFERENCE: D0262 NP
;  CURRENT APPLICATION NUMBER: US/10/436,715
;  CURRENT FILING DATE:  2003-05-13
;  PRIOR APPLICATION NUMBER: U.S. 60/380,336
;  PRIOR FILING DATE: 2002-05-14
;  NUMBER OF SEQ ID NOS: 471
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 90
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-436-715-90

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1706 CCCATTCTTCCCGTTCTT 1723
              | | ||||||| ||||||
Db          3 CACCTTCTTCCGGTTCTT 20


RESULT 1460
US-10-436-715-92
; Sequence 92, Application US/10436715
; Publication No. US20040018976A1
; GENERAL INFORMATION:
;  APPLICANT: Bristol-Myers Squibb Company
;  TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING NOVEL HUMAN G-PROTEIN COUPLED RECEPTORS,
;  TITLE OF INVENTION:  AND SPLICE VARIANTS THEREOF
;  FILE REFERENCE: D0262 NP
;  CURRENT APPLICATION NUMBER: US/10/436,715
;  CURRENT FILING DATE:  2003-05-13
;  PRIOR APPLICATION NUMBER: U.S. 60/380,336
;  PRIOR FILING DATE: 2002-05-14
;  NUMBER OF SEQ ID NOS: 471
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 92
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-436-715-92

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1460 AGGAGGAGAAGCCAGAAG 1477
              |||| || |||||||| |
Db          3 AGGAAGAAAAGCCAGATG 20


RESULT 1461
US-10-630-399-34/c
; Sequence 34, Application US/10630399
; Publication No. US20040019009A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF IL-1 RECEPTOR-ASSOCIATED KINASE-4 EXPRES
;  FILE REFERENCE: RTS-0324
;  CURRENT APPLICATION NUMBER: US/10/630,399
;  CURRENT FILING DATE:  2003-07-30
;  PRIOR APPLICATION NUMBER: US/09/966,451
;  PRIOR FILING DATE: 2001-09-28
;  NUMBER OF SEQ ID NOS: 88
; SEQ ID NO 34
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-630-399-34

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;
```

```
Qy        799 TCCAAAGTAATGGAGATG 816
              ||  |||| |||||||||
Db         19 TCTCAAGTGATGGAGATG 2


RESULT 1462
US-10-126-022-131
; Sequence 131, Application US/10126022
; Publication No. US20040023215A1
; GENERAL INFORMATION:
;  APPLICANT: KEITH, TIM
;  TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES,
;  TITLE OF INVENTION:  OBESITY, AND INFLAMMATORY BOWEL DISEASE
;  FILE REFERENCE: 2976-4039US2
;  CURRENT APPLICATION NUMBER: US/10/126,022
;  CURRENT FILING DATE:  2002-04-19
;  PRIOR APPLICATION NUMBER: 09/834,597
;  PRIOR FILING DATE: 2001-04-13
;  PRIOR APPLICATION NUMBER: 09/548,797
;  PRIOR FILING DATE: 2000-04-13
;  NUMBER OF SEQ ID NOS: 420
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 131
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-126-022-131

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1545 TCCCTCACGTTTCTTCCC 1562
              |||  ||  |||||||||
Db          2 TCCTTCCTGTTTCTTCCC 19


RESULT 1463
US-10-210-723-77
; Sequence 77, Application US/10210723
; Publication No. US20040023382A1
; GENERAL INFORMATION:
;  APPLICANT: Nicholas M. Dean
;  APPLICANT:  C. Frank Bennett
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PPP3CB EXPRESSION
;  FILE REFERENCE: PTS-0028
;  CURRENT APPLICATION NUMBER: US/10/210,723
;  CURRENT FILING DATE:  2002-07-31
;  NUMBER OF SEQ ID NOS: 141
; SEQ ID NO 77
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-210-723-77

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1780 ATAAGACAAACTCCTGAA 1797
              ||||||| |||| | ||
Db          2 ATAAGACACACTCATTAA 19


RESULT 1464
US-10-210-833-90/c
; Sequence 90, Application US/10210833
; Publication No. US20040023383A1
; GENERAL INFORMATION:
;  APPLICANT: Sanjay Bhanot
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF RESISTIN EXPRESSION
;  FILE REFERENCE: RTS-0396
;  CURRENT APPLICATION NUMBER: US/10/210,833
;  CURRENT FILING DATE:  2002-07-31
;  NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 90
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-210-833-90

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1277 TCTCGATCTGCTCCTCTG 1294
              ||| || |||||||| ||
Db         18 TCTTGAGCTGCTCCTGTG 1


RESULT 1465
US-10-210-838-21
; Sequence 21, Application US/10210838
; Publication No. US20040023905A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Sanjay Bhanot
;  APPLICANT:  Kenneth W. Dobie
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF LAR EXPRESSION
;  FILE REFERENCE: PTS-0013
;  CURRENT APPLICATION NUMBER: US/10/210,838
;  CURRENT FILING DATE:  2002-07-31
;  NUMBER OF SEQ ID NOS: 198
; SEQ ID NO 21
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-210-838-21

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1708 CATTCTTCCCGTTCTTAA 1725
              | |||||||| ||||| |
Db          3 CTTTCTTCCCCTTCTTCA 20


RESULT 1466
US-10-210-838-88
; Sequence 88, Application US/10210838
; Publication No. US20040023905A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Sanjay Bhanot
;  APPLICANT:  Kenneth W. Dobie
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF LAR EXPRESSION
;  FILE REFERENCE: PTS-0013
;  CURRENT APPLICATION NUMBER: US/10/210,838
;  CURRENT FILING DATE:  2002-07-31
;  NUMBER OF SEQ ID NOS: 198
; SEQ ID NO 88
;   LENGTH: 20
;   TYPE: DNA
```

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-210-838-88

 Query Match 0.6%; Score 13.2; DB 1; Length 20;
 Best Local Similarity 83.3%; Pred. No. 9.4e+02;
 Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1973 CTGCCTGCCCTCTGTCTG 1990
 |||| | ||||||||||
Db 2 CTGCGTTACCTCTGTCTG 19

RESULT 1467
US-10-285-819-9
; Sequence 9, Application US/10285819
; Publication No. US20040023208A1
; GENERAL INFORMATION:
; APPLICANT: Haydock, Paul V.
; APPLICANT: Uren, Jack R.
; APPLICANT: Saigene Corporation
; TITLE OF INVENTION: A Selective Assay for Determining the Identity of Live
; TITLE OF INVENTION: Microorganisms in a Mixed Culture
; FILE REFERENCE: 018048-000710US
; CURRENT APPLICATION NUMBER: US/10/285,819
; CURRENT FILING DATE: 2002-10-31
; PRIOR APPLICATION NUMBER: US/09/647,133
; PRIOR FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: US 60/079,684
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06610
; PRIOR FILING DATE: 1999-03-25
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Proteus
; OTHER INFORMATION: mirabilis lpp PCR primer
US-10-285-819-9

 Query Match 0.6%; Score 13.2; DB 1; Length 20;
 Best Local Similarity 83.3%; Pred. No. 9.4e+02;
 Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 433 CTTAATAAGCAGCAGACG 450
 ||||||||| | | |||
Db 3 CTTAATAAGCTGAAAACG 20

RESULT 1468
US-10-399-214-56
; Sequence 56, Application US/10399214
; Publication No. US20040023914A1
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: Hong Zhang
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF APAF-1 EXPRESSION
; FILE REFERENCE: RTSP-0191
; CURRENT APPLICATION NUMBER: US/10/399,214
; CURRENT FILING DATE: 2003-04-11
; PRIOR APPLICATION NUMBER: 09/690,364
; PRIOR FILING DATE: 2000-10-16
; NUMBER OF SEQ ID NOS: 100
; SEQ ID NO 56
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-399-214-56

 Query Match 0.6%; Score 13.2; DB 1; Length 20;
 Best Local Similarity 83.3%; Pred. No. 9.4e+02;
 Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 935 TTAACCTGCCTATGCTGA 952
 |||| |||| ||| ||||
Db 3 TTAAACTGCTTATTCTGA 20

RESULT 1469
US-10-444-206-261/c
; Sequence 261, Application US/10444206
; Publication No. US20040023917A1
; GENERAL INFORMATION:
; APPLICANT: Bennett, Clarence Frank
; APPLICANT: Vickers, Timothy A.
; APPLICANT: Karras, James G.
; TITLE OF INVENTION: Oligonucleotide Compositions and Methods for the
; TITLE OF INVENTION: Modulation of the Expression of B7 Protein
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/444,206
; CURRENT FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: 09/851,871
; PRIOR FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: PCT/US00/14471
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: 09/326,186
; PRIOR FILING DATE: 1999-06-04
; PRIOR APPLICATION NUMBER: 08/777,266
; PRIOR FILING DATE: 1996 12 31
; NUMBER OF SEQ ID NOS: 444
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 261
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-444-206-261

 Query Match 0.6%; Score 13.2; DB 1; Length 20;
 Best Local Similarity 83.3%; Pred. No. 9.4e+02;
 Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1278 CTCGATCTGCTCCTCTGA 1295
 || | ||||||||||||
Db 20 CTGGTGCTGCTCCTCTGA 3

RESULT 1470
US-10-457-030-3/c
; Sequence 3, Application US/10457030
; Publication No. US20040023280A1
; GENERAL INFORMATION:
; APPLICANT: James Loyd
; APPLICANT: Kirk B. Lane
; APPLICANT: John A. Phillips, III
; TITLE OF INVENTION: METHOD OF DIAGNOSING PULMONARY
; TITLE OF INVENTION: HYPERTENSION
; FILE REFERENCE: 22000.0108U3
; CURRENT APPLICATION NUMBER: US/10/457,030
; CURRENT FILING DATE: 2003-06-06
; PRIOR APPLICATION NUMBER: US/09/908,500
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 60/218,740
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 60/220,133
; PRIOR FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: FastSEQ for Windows Version 4.0

```
; SEQ ID NO 3
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence; No. US20040023280A1e =
;   OTHER INFORMATION: Syntheic Construct
US-10-457-030-3

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        244 GCTGAGGAGATGACCAAG 261
              ||||| |||| |||| ||
Db         20 GCTGATGAGAGGACCTAG 3


RESULT 1471
US-10-272-727-32/c
; Sequence 32, Application US/10272727
; Publication No. US20040077567A1
; GENERAL INFORMATION:
;  APPLICANT: Andrew T. Watt
;  APPLICANT:  Randy Lane Bell
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CD36 EXPRESSION
;  FILE REFERENCE: RTS-0261
;  CURRENT APPLICATION NUMBER: US/10/272,727
;  CURRENT FILING DATE:  2002-10-16
;  NUMBER OF SEQ ID NOS: 102
; SEQ ID NO 32
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-272-727-32

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2001 ATTCTGCAGGTGGAGGTT 2018
              || |||||| ||||| ||
Db         20 ATACTGCAGATGGAGTTT 3


RESULT 1472
US-10-272-810-21/c
; Sequence 21, Application US/10272810
; Publication No. US20040077568A1
; GENERAL INFORMATION:
;  APPLICANT: Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF NOTCH (DROSOPHILA) HOMOLOG 4 EXPRESSION
;  FILE REFERENCE: RTS-0263
;  CURRENT APPLICATION NUMBER: US/10/272,810
;  CURRENT FILING DATE:  2002-10-16
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 21
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-272-810-21

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1680 GAGCTCTTCCAGGAGCCA 1697
              |||  ||||||||| |||
Db         19 GAGTGCTTCCAGGACCCA 2


RESULT 1473
US-10-272-811-32/c
; Sequence 32, Application US/10272811
; Publication No. US20040076621A1
; GENERAL INFORMATION:
;  APPLICANT: Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CD36 EXPRESSION
;  FILE REFERENCE: RTS-0162
;  CURRENT APPLICATION NUMBER: US/10/272,811
;  CURRENT FILING DATE:  2002-10-16
;  NUMBER OF SEQ ID NOS: 102
; SEQ ID NO 32
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-272-811-32

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2001 ATTCTGCAGGTGGAGGTT 2018
              || |||||| ||||| ||
Db         20 ATACTGCAGATGGAGTTT 3


RESULT 1474
US-10-273-070-21/c
; Sequence 21, Application US/10273070
; Publication No. US20040077569A1
; GENERAL INFORMATION:
;  APPLICANT: Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF NOTCH (DROSOPHILA) HOMOLOG 4 EXPRESSION
;  FILE REFERENCE: RTS-0231
;  CURRENT APPLICATION NUMBER: US/10/273,070
;  CURRENT FILING DATE:  2002-10-16
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 21
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-273-070-21

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1680 GAGCTCTTCCAGGAGCCA 1697
              |||  ||||||||| |||
Db         19 GAGTGCTTCCAGGACCCA 2


RESULT 1475
US-10-653-528-25/c
; Sequence 25, Application US/10653528
; Publication No. US20040077578A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/653,528
;  CURRENT FILING DATE:  2003-09-02
;  PRIOR APPLICATION NUMBER: US/10/173,192
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 25
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```
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-653-528-25

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        564 CCAGAGGGTGCTGTACAT 581
              ||||| | |||||| |||
Db         18 CCAGAAGATGCTGTTCAT 1


RESULT 1476
US-10-653-528-35/c
; Sequence 35, Application US/10653528
; Publication No. US20040077578A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/653,528
;  CURRENT FILING DATE:  2003-09-02
;  PRIOR APPLICATION NUMBER: US/10/173,192
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 35
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-653-528-35

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        760 GATGACGAGTCCTATGAG 777
              ||||| ||||| |||| |
Db         20 GATGATGAGTCATATGGG 3


RESULT 1477
US-10-653-528-57
; Sequence 57, Application US/10653528
; Publication No. US20040077578A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 2 EXPRESSION
;  FILE REFERENCE: PTS-0022
;  CURRENT APPLICATION NUMBER: US/10/653,528
;  CURRENT FILING DATE:  2003-09-02
;  PRIOR APPLICATION NUMBER: US/10/173,192
;  PRIOR FILING DATE: 2002-06-14
;  NUMBER OF SEQ ID NOS: 71
; SEQ ID NO 57
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-653-528-57

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        564 CCAGAGGGTGCTGTACAT 581
              ||||| | |||||| |||
Db          3 CCAGAAGATGCTGTTCAT 20


RESULT 1478
US-10-728-509-34
; Sequence 34, Application US/10728509
; Publication No. US20040077583A1
; GENERAL INFORMATION:
;  APPLICANT: Hong Zhang
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF BCL2-ASSOCIATED X PROTEIN EXPRESSION
;  FILE REFERENCE: RTS-0185
;  CURRENT APPLICATION NUMBER: US/10/728,509
;  CURRENT FILING DATE:  2003-12-05
;  PRIOR APPLICATION NUMBER: US/09/908,147
;  PRIOR FILING DATE: 2001-07-17
;  NUMBER OF SEQ ID NOS: 168
; SEQ ID NO 34
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-728-509-34

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1468 AAGCCAGAAGCCAAAGGG 1485
              || || ||||| ||||||
Db          2 AACCCTGAAGCAAAAGGG 19


RESULT 1479
US-10-728-509-35
; Sequence 35, Application US/10728509
; Publication No. US20040077583A1
; GENERAL INFORMATION:
;  APPLICANT: Hong Zhang
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF BCL2-ASSOCIATED X PROTEIN EXPRESSION
;  FILE REFERENCE: RTS-0185
;  CURRENT APPLICATION NUMBER: US/10/728,509
;  CURRENT FILING DATE:  2003-12-05
;  PRIOR APPLICATION NUMBER: US/09/908,147
;  PRIOR FILING DATE: 2001-07-17
;  NUMBER OF SEQ ID NOS: 168
; SEQ ID NO 35
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-728-509-35

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1468 AAGCCAGAAGCCAAAGGG 1485
              || || ||||| ||||||
Db          3 AACCCTGAAGCAAAAGGG 20


RESULT 1480
US-10-280-183A-532/c
; Sequence 532, Application US/10280183A
; Publication No. US20040081964A1
; GENERAL INFORMATION:
;  APPLICANT: Pfizer Inc.
;  APPLICANT:  Bachmanov, Alexander A
```

```
;  APPLICANT:  Beauchamp, Gary K.
;  APPLICANT:  Chatterjee, Aurobindo
;  APPLICANT:  De  Jong, Pieter J.
;  APPLICANT:  Li, Shanru
;  APPLICANT:  Li, Xia
;  APPLICANT:  Ohmen, Jeffrey D
;  APPLICANT:  Reed, Danielle R.
;  APPLICANT:  Ross, David
;  APPLICANT:  Tordoff, Michael G.
;  TITLE OF INVENTION: GENE AND SEQUENCE VARIATION ASSOCIATED WITH SENSING
;  TITLE OF INVENTION:  CARBOHYDRATE COMPOUNDS AND OTHER SWEETNERS
;  FILE REFERENCE: PC18306A
;  CURRENT APPLICATION NUMBER: US/10/280,183A
;  CURRENT FILING DATE:  2002-10-25
;  PRIOR APPLICATION NUMBER: 60/200,794
;  PRIOR FILING DATE: 2000-04-28
;  NUMBER OF SEQ ID NOS: 652
;  SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 532
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Mouse
US-10-280-183A-532

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1630 TCCCCAGGGACAGAAACC 1647
              || |||||||||||| | |
Db         19 TCACCAGGGACAGAGAGC 2


RESULT 1481
US-10-280-183A-575/c
; Sequence 575, Application US/10280183A
; Publication No. US20040081964A1
; GENERAL INFORMATION:
;  APPLICANT: Pfizer Inc.
;  APPLICANT:  Bachmanov, Alexander A
;  APPLICANT:  Beauchamp, Gary K.
;  APPLICANT:  Chatterjee, Aurobindo
;  APPLICANT:  De  Jong, Pieter J.
;  APPLICANT:  Li, Shanru
;  APPLICANT:  Li, Xia
;  APPLICANT:  Ohmen, Jeffrey D
;  APPLICANT:  Reed, Danielle R.
;  APPLICANT:  Ross, David
;  APPLICANT:  Tordoff, Michael G.
;  TITLE OF INVENTION: GENE AND SEQUENCE VARIATION ASSOCIATED WITH SENSING
;  TITLE OF INVENTION:  CARBOHYDRATE COMPOUNDS AND OTHER SWEETNERS
;  FILE REFERENCE: PC18306A
;  CURRENT APPLICATION NUMBER: US/10/280,183A
;  CURRENT FILING DATE:  2002-10-25
;  PRIOR APPLICATION NUMBER: 60/200,794
;  PRIOR FILING DATE: 2000-04-28
;  NUMBER OF SEQ ID NOS: 652
;  SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 575
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Mouse
US-10-280-183A-575

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1555 TTCTTCCCCAACCCCTCA 1572
              |||||||||  || || ||
Db         20 TTCTTCCCCTACACCACA 3


RESULT 1482
US-10-383-864-89/c
; Sequence 89, Application US/10383864
; Publication No. US20040081976A1
; GENERAL INFORMATION:
;  APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
;  APPLICANT:  SIDRANSKY, David
;  TITLE OF INVENTION: GENOMIC SCREEN FOR EPIGENETICALLY SILENCED TUMOR SUPPRESSOR GENE
;  FILE REFERENCE: JHU1860-1
;  CURRENT APPLICATION NUMBER: US/10/383,864
;  CURRENT FILING DATE:  2003-07-25
;  PRIOR APPLICATION NUMBER: US 60/362,577
;  PRIOR FILING DATE: 2002-03-07
;  NUMBER OF SEQ ID NOS: 127
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 89
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Amplification primer
US-10-383-864-89

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       118 GTTGGAAATTACTATTAT 135
             |||||||||| | ||| |
Db        19 GTTGGAAATTAGTGTTTT 2


RESULT 1483
US-10-643-432-22
; Sequence 22, Application US/10643432
; Publication No. US20040087536A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF KOX 1 EXPRESSION
;  FILE REFERENCE: RTS-0359
;  CURRENT APPLICATION NUMBER: US/10/643,432
;  CURRENT FILING DATE:  2003-08-19
;  PRIOR APPLICATION NUMBER: US/10/173,817
;  PRIOR FILING DATE: 2002-06-17
;  NUMBER OF SEQ ID NOS: 131
; SEQ ID NO 22
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-643-432-22

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1943 TCCCACTGGCCTCAAGTG 1960
              | |||||  ||||||| ||
Db          1 TGCCACTTGCCTCAAATG 18


RESULT 1484
US-10-643-432-93/c
; Sequence 93, Application US/10643432
; Publication No. US20040087536A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF KOX 1 EXPRESSION
;  FILE REFERENCE: RTS-0359
;  CURRENT APPLICATION NUMBER: US/10/643,432
```

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;  CURRENT FILING DATE:  2003-08-19
;  PRIOR APPLICATION NUMBER: US/10/173,817
;  PRIOR FILING DATE: 2002-06-17
;  NUMBER OF SEQ ID NOS: 131
; SEQ ID NO 93
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-643-432-93

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1943 TCCCACTGGCCTCAAGTG 1960
              | ||||| ||||||| ||
Db         20 TGCCACTTGCCTCAAATG 3


RESULT 1485
US-10-293-863-23/c
; Sequence 23, Application US/10293863
; Publication No. US20040092464A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Nicholas M. Dean
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF MITOGEN-ACTIVATED PROTEIN KINASE KINASE KINASE 11 E
;  FILE REFERENCE: HTS-0090
;  CURRENT APPLICATION NUMBER: US/10/293,863
;  CURRENT FILING DATE:  2002-11-11
;  NUMBER OF SEQ ID NOS: 78
; SEQ ID NO 23
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-293-863-23

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1082 ATTTCAAGCTCCACATCA 1099
              | ||||||| || |||||
Db         20 ACTTCAAGCACCGCATCA 3


RESULT 1486
US-10-293-863-58
; Sequence 58, Application US/10293863
; Publication No. US20040092464A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Nicholas M. Dean
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF MITOGEN-ACTIVATED PROTEIN KINASE KINASE KINASE 11 E
;  FILE REFERENCE: HTS-0090
;  CURRENT APPLICATION NUMBER: US/10/293,863
;  CURRENT FILING DATE:  2002-11-11
;  NUMBER OF SEQ ID NOS: 78
; SEQ ID NO 58
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-293-863-58

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1082 ATTTCAAGCTCCACATCA 1099
              | ||||||| || |||||
Db          1 ACTTCAAGCACCGCATCA 18


RESULT 1487
US-10-621-758A-20/c
; Sequence 20, Application US/10621758A
; Publication No. US20040093629A1
; GENERAL INFORMATION:
;  APPLICANT: Altmann, Scott  W
;  APPLICANT:  Wang, Luquan
;  APPLICANT:  Graziano, Michael
;  APPLICANT:  Murgolo, Nick
;  TITLE OF INVENTION: NPC1L1 (NPC3) AND METHODS OF USE THEREOF
;  FILE REFERENCE: JB01603-K-US
;  CURRENT APPLICATION NUMBER: US/10/621,758A
;  CURRENT FILING DATE:  2003-07-17
;  PRIOR APPLICATION NUMBER: 60/397,442
;  PRIOR FILING DATE: 2002-07-19
;  NUMBER OF SEQ ID NOS: 50
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
US-10-621-758A-20

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        234 CAAAGCCAATGCTGAGGA 251
              ||||||| | | ||||||
Db         19 CAAAGCCCAGGATGAGGA 2


RESULT 1488
US-10-295-471-23
; Sequence 23, Application US/10295471
; Publication No. US20040097441A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF NIMA-RELATED KINASE 6 EXPRESSION
;  FILE REFERENCE: RTS-0368
;  CURRENT APPLICATION NUMBER: US/10/295,471
;  CURRENT FILING DATE:  2002-11-16
;  NUMBER OF SEQ ID NOS: 147
; SEQ ID NO 23
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-295-471-23

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        616 GAGGCCTTCTACACCACG 633
              | |||||| |||||| ||
Db          1 GTGGCCTTGTACACCTCG 18


RESULT 1489
US-10-295-471-99/c
; Sequence 99, Application US/10295471
; Publication No. US20040097441A1
; GENERAL INFORMATION:
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;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF NIMA-RELATED KINASE 6 EXPRESSION
;  FILE REFERENCE: RTS-0368
;  CURRENT APPLICATION NUMBER: US/10/295,471
;  CURRENT FILING DATE:  2002-11-16
;  NUMBER OF SEQ ID NOS: 147
; SEQ ID NO 99
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-295-471-99

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        616 GAGGCCTTCTACACCACG 633
              | |||||| |||||| ||
Db         20 GTGGCCTTGTACACCTCG 3


RESULT 1490
US-10-301-832-70/c
; Sequence 70, Application US/10301832
; Publication No. US20040102390A1
; GENERAL INFORMATION:
;  APPLICANT: Susan M. Freier
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF NOTCH3 EXPRESSION
;  FILE REFERENCE: RTS-0414
;  CURRENT APPLICATION NUMBER: US/10/301,832
;  CURRENT FILING DATE:  2002-11-21
;  NUMBER OF SEQ ID NOS: 155
; SEQ ID NO 70
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-301-832-70

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1613 TTTATTAAATATAAATAT 1630
              ||||  ||||||| ||||
Db         19 TTTACAAAATATATATAT 2


RESULT 1491
US-10-303-327-46
; Sequence 46, Application US/10303327
; Publication No. US20040102396A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Nicholas M. Dean
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF BCL2-ASSOCIATED ATHANOGENE 5 EXPRESSION
;  FILE REFERENCE: HTS-0004
;  CURRENT APPLICATION NUMBER: US/10/303,327
;  CURRENT FILING DATE:  2002-11-23
;  NUMBER OF SEQ ID NOS: 77
; SEQ ID NO 46
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-303-327-46

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2072 TAATAAAATGGTACATTT 2089
              | |||||||||  ||| ||
Db          2 TTATAAAATGGCACAATT 19


RESULT 1492
US-10-303-635-24/c
; Sequence 24, Application US/10303635
; Publication No. US20040102621A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF FORKHEAD BOX C2 EXPRESSION
;  FILE REFERENCE: RTS-0418
;  CURRENT APPLICATION NUMBER: US/10/303,635
;  CURRENT FILING DATE:  2002-11-21
;  NUMBER OF SEQ ID NOS: 257
; SEQ ID NO 24
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-303-635-24

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        789 GCCGGTCATGTCCAAAGT 806
              |||||||||  |||| ||
Db         20 GCCGGTCATCACCAAGGT 3


RESULT 1493
US-10-303-635-41/c
; Sequence 41, Application US/10303635
; Publication No. US20040102621A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF FORKHEAD BOX C2 EXPRESSION
;  FILE REFERENCE: RTS-0418
;  CURRENT APPLICATION NUMBER: US/10/303,635
;  CURRENT FILING DATE:  2002-11-21
;  NUMBER OF SEQ ID NOS: 257
; SEQ ID NO 41
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-303-635-41

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        789 GCCGGTCATGTCCAAAGT 806
              |||||||||  |||| ||
Db         18 GCCGGTCATCACCAAGGT 1


RESULT 1494
US-10-303-635-42/c
; Sequence 42, Application US/10303635
; Publication No. US20040102621A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF FORKHEAD BOX C2 EXPRESSION
;  FILE REFERENCE: RTS-0418
;  CURRENT APPLICATION NUMBER: US/10/303,635
```

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;  CURRENT FILING DATE:  2002-11-21
;  NUMBER OF SEQ ID NOS: 257
; SEQ ID NO 42
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-303-635-42

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        789 GCCGGTCATGTCCAAAGT 806
              |||||||||  |||| ||
Db         19 GCCGGTCATCACCAAGGT 2


RESULT 1495
US-10-303-635-169
; Sequence 169, Application US/10303635
; Publication No. US20040102621A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF FORKHEAD BOX C2 EXPRESSION
;  FILE REFERENCE: RTS-0418
;  CURRENT APPLICATION NUMBER: US/10/303,635
;  CURRENT FILING DATE:  2002-11-21
;  NUMBER OF SEQ ID NOS: 257
; SEQ ID NO 169
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-303-635-169

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        789 GCCGGTCATGTCCAAAGT 806
              |||||||||  |||| ||
Db          1 GCCGGTCATCACCAAGGT 18


RESULT 1496
US-10-303-635-174
; Sequence 174, Application US/10303635
; Publication No. US20040102621A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF FORKHEAD BOX C2 EXPRESSION
;  FILE REFERENCE: RTS-0418
;  CURRENT APPLICATION NUMBER: US/10/303,635
;  CURRENT FILING DATE:  2002-11-21
;  NUMBER OF SEQ ID NOS: 257
; SEQ ID NO 174
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-303-635-174

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        789 GCCGGTCATGTCCAAAGT 806
              |||||||||  |||| ||
Db          3 GCCGGTCATCACCAAGGT 20


RESULT 1497
US-10-303-635-175
; Sequence 175, Application US/10303635
; Publication No. US20040102621A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF FORKHEAD BOX C2 EXPRESSION
;  FILE REFERENCE: RTS-0418
;  CURRENT APPLICATION NUMBER: US/10/303,635
;  CURRENT FILING DATE:  2002-11-21
;  NUMBER OF SEQ ID NOS: 257
; SEQ ID NO 175
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-303-635-175

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        789 GCCGGTCATGTCCAAAGT 806
              |||||||||  |||| ||
Db          2 GCCGGTCATCACCAAGGT 19


RESULT 1498
US-10-688-706-854/c
; Sequence 854, Application US/10688706
; Publication No. US20040102412A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Broschat, Kay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF GFAT EXPRESSION
;  FILE REFERENCE: 01393/1
;  CURRENT APPLICATION NUMBER: US/10/688,706
;  CURRENT FILING DATE:  2003-10-17
;  PRIOR APPLICATION NUMBER: 60/419,268
;  PRIOR FILING DATE: 2002-10-17
;  NUMBER OF SEQ ID NOS: 3071
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 854
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: human GFAT antisense
US-10-688-706-854

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        328 AAGCAGATGCAGAGATTC 345
              ||| |||| ||||||| |
Db         18 AAGGAGATCCAGAGATGC 1


RESULT 1499
US-10-688-706-855/c
; Sequence 855, Application US/10688706
; Publication No. US20040102412A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Broschat, Kay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF GFAT EXPRESSION
;  FILE REFERENCE: 01393/1
;  CURRENT APPLICATION NUMBER: US/10/688,706
;  CURRENT FILING DATE:  2003-10-17
;  PRIOR APPLICATION NUMBER: 60/419,268
;  PRIOR FILING DATE: 2002-10-17
;  NUMBER OF SEQ ID NOS: 3071
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;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 855
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: human GFAT antisense
US-10-688-706-855

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        328 AAGCAGATGCAGAGATTC 345
              ||| |||| |||||||  |
Db         20 AAGGAGATCCAGAGATGC 3


RESULT 1500
US-10-688-706-916/c
; Sequence 916, Application US/10688706
; Publication No. US20040102412A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Broschat, Kay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF GFAT EXPRESSION
;  FILE REFERENCE: 01393/1
;  CURRENT APPLICATION NUMBER: US/10/688,706
;  CURRENT FILING DATE:  2003-10-17
;  PRIOR APPLICATION NUMBER: 60/419,268
;  PRIOR FILING DATE: 2002-10-17
;  NUMBER OF SEQ ID NOS: 3071
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 916
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: human GFAT antisense
US-10-688-706-916

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        328 AAGCAGATGCAGAGATTC 345
              ||| |||| |||||||  |
Db         19 AAGGAGATCCAGAGATGC 2


RESULT 1501
US-10-688-706-1337/c
; Sequence 1337, Application US/10688706
; Publication No. US20040102412A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Broschat, Kay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF GFAT EXPRESSION
;  FILE REFERENCE: 01393/1
;  CURRENT APPLICATION NUMBER: US/10/688,706
;  CURRENT FILING DATE:  2003-10-17
;  PRIOR APPLICATION NUMBER: 60/419,268
;  PRIOR FILING DATE: 2002-10-17
;  NUMBER OF SEQ ID NOS: 3071
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1337
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: human GFAT antisense
US-10-688-706-1337

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        122 GAAATTACTATTATGGAC 139
              |||||||||  ||||  ||
Db         18 GAAATTACTTATATGCAC 1


RESULT 1502
US-10-688-706-1500/c
; Sequence 1500, Application US/10688706
; Publication No. US20040102412A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Broschat, Kay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF GFAT EXPRESSION
;  FILE REFERENCE: 01393/1
;  CURRENT APPLICATION NUMBER: US/10/688,706
;  CURRENT FILING DATE:  2003-10-17
;  PRIOR APPLICATION NUMBER: 60/419,268
;  PRIOR FILING DATE: 2002-10-17
;  NUMBER OF SEQ ID NOS: 3071
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1500
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: human GFAT antisense
US-10-688-706-1500

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        122 GAAATTACTATTATGGAC 139
              |||||||||  ||||  ||
Db         19 GAAATTACTTATATGCAC 2


RESULT 1503
US-10-688-706-2055/c
; Sequence 2055, Application US/10688706
; Publication No. US20040102412A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Broschat, Kay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF GFAT EXPRESSION
;  FILE REFERENCE: 01393/1
;  CURRENT APPLICATION NUMBER: US/10/688,706
;  CURRENT FILING DATE:  2003-10-17
;  PRIOR APPLICATION NUMBER: 60/419,268
;  PRIOR FILING DATE: 2002-10-17
;  NUMBER OF SEQ ID NOS: 3071
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2055
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: human GFAT antisense
US-10-688-706-2055

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        122 GAAATTACTATTATGGAC 139
              |||||||||  ||||  ||
Db         20 GAAATTACTTATATGCAC 3
```

```
RESULT 1504
US-10-688-706-2713/c
; Sequence 2713, Application US/10688706
; Publication No. US20040102412A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Broschat, Kay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF GFAT EXPRESSION
;  FILE REFERENCE: 01393/1
;  CURRENT APPLICATION NUMBER: US/10/688,706
;  CURRENT FILING DATE:  2003-10-17
;  PRIOR APPLICATION NUMBER: 60/419,268
;  PRIOR FILING DATE: 2002-10-17
;  NUMBER OF SEQ ID NOS: 3071
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2713
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: human GFAT antisense
US-10-688-706-2713

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        408 TGGTTCTGTGGCAAGTGC 425
              || |||||  ||||||||
Db         18 TGCTTCTGATGCAAGTGC 1


RESULT 1505
US-10-648-593-404/c
; Sequence 404, Application US/10648593
; Publication No. US20040106132A1
; GENERAL INFORMATION:
;  APPLICANT: Bristol-Myers Squibb Company
;  TITLE OF INVENTION: IDENTIFICATION OF GENES FOR PREDICTING ACTIVITY OF COMPOUNDS THAT
;  TITLE OF INVENTION:  INTERACT WITH AND/OR MODULATE PROTEIN TYROSINE KINASES AND/OR
;  TITLE OF INVENTION:  PROTEIN TYROSINE KINASE PATHWAYS IN BREAST CELLS
;  FILE REFERENCE: D0273 NP
;  CURRENT APPLICATION NUMBER: US/10/648,593
;  CURRENT FILING DATE:  2003-08-26
;  PRIOR APPLICATION NUMBER: 60/406,385
;  PRIOR FILING DATE: 2002-08-27
;  NUMBER OF SEQ ID NOS: 557
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 404
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-648-593-404

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1621 ATATAAATATCCCCAGGG 1638
              || | ||| |||||||||
Db         18 ATTTTAATTTCCCCAGGG 1


RESULT 1506
US-10-316-755-45/c
; Sequence 45, Application US/10316755
; Publication No. US20040110152A1
; GENERAL INFORMATION:
;  APPLICANT: Brenda F. Baker
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION: MODULATION OF MATRIX METALLOPROTEINASE 11 EXPRESSION
;  FILE REFERENCE: RTS-0381
;  CURRENT APPLICATION NUMBER: US/10/316,755
;  CURRENT FILING DATE:  2002-12-10
;  NUMBER OF SEQ ID NOS: 277
; SEQ ID NO 45
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-316-755-45

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1640 CAGAAACCAAGGCCCCGA 1657
              ||| | |||||||||| ||
Db         20 CAGCAGCCAAGGCCCTGA 3


RESULT 1507
US-10-409-600-14/c
; Sequence 14, Application US/10409600
; Publication No. US20040110282A1
; GENERAL INFORMATION:
;  APPLICANT: KYOWA HAKKO KOGYO CO., LTD.
;  TITLE OF INVENTION: Cells of which he activity of the protein involved in transporta
;  FILE REFERENCE: 249-306
;  FILE REFERENCE: 249-305
;  CURRENT APPLICATION NUMBER: US/10/409,600
;  CURRENT FILING DATE:  2003-04-09
;  PRIOR APPLICATION NUMBER: JP 2002-106952
;  PRIOR FILING DATE: 2002-04-09
;  NUMBER OF SEQ ID NOS: 35
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence : Synthetic DNA
US-10-409-600-14

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1633 CCAGGGACAGAAACCAAG 1650
              || ||||| ||| |||||
Db         18 CCTGGGACTGAACCCAAG 1


RESULT 1508
US-10-317-500-136/c
; Sequence 136, Application US/10317500
; Publication No. US20040115637A1
; GENERAL INFORMATION:
;  APPLICANT: Robert McKay
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF PPAR-ALPHA EXPRESSION
;  FILE REFERENCE: RTS-0380
;  CURRENT APPLICATION NUMBER: US/10/317,500
;  CURRENT FILING DATE:  2002-12-11
;  NUMBER OF SEQ ID NOS: 276
; SEQ ID NO 136
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-317-500-136

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
```

```
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        772 TATGAGGCCATTTTCAAG 789
              ||||| ||||| |||| |
Db         18 TATGAAGCCATCTTCACG 1


RESULT 1509
JS-10-317-500-251
; Sequence 251, Application US/10317500
; Publication No. US20040115637A1
; GENERAL INFORMATION:
;  APPLICANT: Robert McKay
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF PPAR-ALPHA EXPRESSION
;  FILE REFERENCE: RTS-0380
;  CURRENT APPLICATION NUMBER: US/10/317,500
;  CURRENT FILING DATE:  2002-12-11
;  NUMBER OF SEQ ID NOS: 276
; SEQ ID NO 251
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: M. musculus
;    FEATURE:
US-10-317-500-251

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        772 TATGAGGCCATTTTCAAG 789
              ||||| ||||| |||| |
Db          3 TATGAAGCCATCTTCACG 20


RESULT 1510
US-10-317-883A-84/c
; Sequence 84, Application US/10317883A
; Publication No. US20040115641A1
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF ROCK 1 EXPRESSION
;  FILE REFERENCE: RTS-0438
;  CURRENT APPLICATION NUMBER: US/10/317,883A
;  CURRENT FILING DATE:  2002-12-11
;  NUMBER OF SEQ ID NOS: 163
; SEQ ID NO 84
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Antisense Oligonucleotide
US-10-317-883A-84

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1090 CTCCACATCAGTCCTTCC 1107
              || || ||||||| ||||
Db         19 CTGCAAATCAGTCTTTCC 2


RESULT 1511
US-10-317-883A-160
; Sequence 160, Application US/10317883A
; Publication No. US20040115641A1
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF ROCK 1 EXPRESSION
;  FILE REFERENCE: RTS-0438
;  CURRENT APPLICATION NUMBER: US/10/317,883A
;  CURRENT FILING DATE:  2002-12-11
;  NUMBER OF SEQ ID NOS: 163
; SEQ ID NO 160
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: H. sapiens
;    FEATURE:
US-10-317-883A-160

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1090 CTCCACATCAGTCCTTCC 1107
              || || ||||||| ||||
Db          2 CTGCAAATCAGTCTTTCC 19


RESULT 1512
US-10-744-831-44
; Sequence 44, Application US/10744831
; Publication No. US20040121977A1
; GENERAL INFORMATION:
;  APPLICANT: Brenda F. Baker
;  APPLICANT:  Kenneth Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF ACTIVATING TRANSCRIPTION FACTOR 3 EXPRES
;  FILE REFERENCE: RTS-0331
;  CURRENT APPLICATION NUMBER: US/10/744,831
;  CURRENT FILING DATE:  2003-12-23
;  PRIOR APPLICATION NUMBER: US/10/010,002
;  PRIOR FILING DATE: 2001-11-08
;  NUMBER OF SEQ ID NOS: 91
; SEQ ID NO 44
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Antisense Oligonucleotide
US-10-744-831-44

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1967 GAAACACTGCCTGCCCTC 1984
              ||| ||||||  ||||||
Db          2 GAATCACTGCAGGCCCTC 19


RESULT 1513
US-10-453-273-5
; Sequence 5, Application US/10453273
; Publication No. US20040127573A1
; GENERAL INFORMATION:
;  APPLICANT: Stashenko, Philip
;  APPLICANT:  Battaglino, Richard
;  TITLE OF INVENTION: Methods for Increasing Bone Density
;  FILE REFERENCE: 25669-004
;  CURRENT APPLICATION NUMBER: US/10/453,273
;  CURRENT FILING DATE:  2003-06-02
;  PRIOR APPLICATION NUMBER: 60/385,314
;  PRIOR FILING DATE: 2002-05-31
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
;    OTHER INFORMATION: primer
US-10-453-273-5
```

Query Match 0.6%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy        928 AAGAGCTTTAACCTGCCT 945
              ||||||| | | ||||||
Db          2 AAGAGCTATGAGCTGCCT 19
```

RESULT 1514
US-10-606-133-110/c
; Sequence 110, Application US/10606133
; Publication No. US20040132047A1
; GENERAL INFORMATION:
; APPLICANT: Fortina, Paolo
; APPLICANT: Maris, John M.
; APPLICANT: Gelfand, Craig A.
; TITLE OF INVENTION: Methods for Detection of Genetic
; TITLE OF INVENTION: Alterations Associated with Cancer
; FILE REFERENCE: CHOP.0182US
; CURRENT APPLICATION NUMBER: US/10/606,133
; CURRENT FILING DATE: 2003-06-25
; PRIOR APPLICATION NUMBER: 60/391,515
; PRIOR FILING DATE: 2002-06-25
; NUMBER OF SEQ ID NOS: 282
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 110
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-10-606-133-110

Query Match 0.6%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1979 GCCCTCTGTCTGTCTTCT 1996
              | ||| |||||||||| ||
Db         19 GACCTGTGTCTGTCTGCT 2
```

RESULT 1515
US-10-663-208A-20/c
; Sequence 20, Application US/10663208A
; Publication No. US20040132058A1
; GENERAL INFORMATION:
; APPLICANT: Altmann, Scott W
; APPLICANT: Wang, Luquan
; APPLICANT: Graziano, Michael
; APPLICANT: Murgolo, Nick
; TITLE OF INVENTION: NPC1L1 (NPC3) AND METHODS OF USE THEREOF
; FILE REFERENCE: JB01603K2 US
; CURRENT APPLICATION NUMBER: US/10/663,208A
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: 60/397,442
; PRIOR FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 10/621,758
; PRIOR FILING DATE: 2003-07-17
; PRIOR APPLICATION NUMBER: 10/646,301
; PRIOR FILING DATE: 2003-08-22
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: primer
US-10-663-208A-20

Query Match 0.6%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy        234 CAAAGCCAATGCTGAGGA 251
              ||||||| | | ||||||
Db         19 CAAAGCCCAGGATGAGGA 2
```

RESULT 1516
US-10-671-395-18/c
; Sequence 18, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
; APPLICANT: Pharmacia Corp.
; APPLICANT: Gierse, James K
; TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
; TITLE OF INVENTION: EXPRESSION
; FILE REFERENCE: 1179/1/US
; CURRENT APPLICATION NUMBER: US/10/671,395
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/413,549
; PRIOR FILING DATE: 2002-09-25
; NUMBER OF SEQ ID NOS: 1809
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 18
; LENGTH: 20
; TYPE: DNA
; ORGANISM: artificial
; FEATURE:
; OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-18

Query Match 0.6%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1395 AACAGAGGATGAAAAAGA 1412
              ||||||| || ||||| |
Db         20 AACAGAGCATCAAAAACA 3
```

RESULT 1517
US-10-671-395-37/c
; Sequence 37, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
; APPLICANT: Pharmacia Corp.
; APPLICANT: Gierse, James K
; TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
; TITLE OF INVENTION: EXPRESSION
; FILE REFERENCE: 1179/1/US
; CURRENT APPLICATION NUMBER: US/10/671,395
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/413,549
; PRIOR FILING DATE: 2002-09-25
; NUMBER OF SEQ ID NOS: 1809
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 37
; LENGTH: 20
; TYPE: DNA
; ORGANISM: artificial
; FEATURE:
; OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-37

Query Match 0.6%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1395 AACAGAGGATGAAAAAGA 1412
              ||||||| || ||||| |
Db         18 AACAGAGCATCAAAAACA 1
```

```
RESULT 1518
US-10-671-395-45/c
; Sequence 45, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Gierse, James K
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: 1179/1/US
;  CURRENT APPLICATION NUMBER: US/10/671,395
;  CURRENT FILING DATE:  2003-09-25
;  PRIOR APPLICATION NUMBER: 60/413,549
;  PRIOR FILING DATE: 2002-09-25
;  NUMBER OF SEQ ID NOS: 1809
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 45
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-45

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1395 AACAGAGGATGAAAAAGA 1412
              ||||||| || ||||| |
Db         19 AACAGAGCATCAAAAACA 2


RESULT 1519
US-10-671-395-635/c
; Sequence 635, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Gierse, James K
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: 1179/1/US
;  CURRENT APPLICATION NUMBER: US/10/671,395
;  CURRENT FILING DATE:  2003-09-25
;  PRIOR APPLICATION NUMBER: 60/413,549
;  PRIOR FILING DATE: 2002-09-25
;  NUMBER OF SEQ ID NOS: 1809
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 635
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-635

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1746 CAGGTCTGGGTGAAAGGG 1763
              ||||| |||||| ||||
Db         20 CAGGTGTGGGTGGGAGGG 3


RESULT 1520
US-10-671-395-894/c
; Sequence 894, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Gierse, James K
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: 1179/1/US
;  CURRENT APPLICATION NUMBER: US/10/671,395
;  CURRENT FILING DATE:  2003-09-25
;  PRIOR APPLICATION NUMBER: 60/413,549
;  PRIOR FILING DATE: 2002-09-25
;  NUMBER OF SEQ ID NOS: 1809
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 894
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-894

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1746 CAGGTCTGGGTGAAAGGG 1763
              ||||| |||||| ||||
Db         19 CAGGTGTGGGTGGGAGGG 2


RESULT 1521
US-10-671-395-965/c
; Sequence 965, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Gierse, James K
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: 1179/1/US
;  CURRENT APPLICATION NUMBER: US/10/671,395
;  CURRENT FILING DATE:  2003-09-25
;  PRIOR APPLICATION NUMBER: 60/413,549
;  PRIOR FILING DATE: 2002-09-25
;  NUMBER OF SEQ ID NOS: 1809
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 965
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-965

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1746 CAGGTCTGGGTGAAAGGG 1763
              ||||| |||||| ||||
Db         18 CAGGTGTGGGTGGGAGGG 1


RESULT 1522
US-10-671-395-1583/c
; Sequence 1583, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Gierse, James K
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: 1179/1/US
;  CURRENT APPLICATION NUMBER: US/10/671,395
;  CURRENT FILING DATE:  2003-09-25
```

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;  PRIOR APPLICATION NUMBER: 60/413,549
;  PRIOR FILING DATE: 2002-09-25
;  NUMBER OF SEQ ID NOS: 1809
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1583
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: artificial
;    FEATURE:
;    OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-1583

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1983 TCTGTCTGTCTTCTCCTA 2000
              | ||| ||| ||||||||
Db         19 TGTGTGTGTTTTCTCCTA 2


RESULT 1523
US-10-671-395-1710/c
; Sequence 1710, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Gierse, James K
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: 1179/1/US
;  CURRENT APPLICATION NUMBER: US/10/671,395
;  CURRENT FILING DATE:  2003-09-25
;  PRIOR APPLICATION NUMBER: 60/413,549
;  PRIOR FILING DATE: 2002-09-25
;  NUMBER OF SEQ ID NOS: 1809
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1710
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: artificial
;    FEATURE:
;    OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-1710

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1983 TCTGTCTGTCTTCTCCTA 2000
              | ||| ||| ||||||||
Db         18 TGTGTGTGTTTTCTCCTA 1


RESULT 1524
US-10-671-395-1718/c
; Sequence 1718, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Gierse, James K
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: 1179/1/US
;  CURRENT APPLICATION NUMBER: US/10/671,395
;  CURRENT FILING DATE:  2003-09-25
;  PRIOR APPLICATION NUMBER: 60/413,549
;  PRIOR FILING DATE: 2002-09-25
;  NUMBER OF SEQ ID NOS: 1809
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1718
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: artificial
;    FEATURE:
;    OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-1718

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1983 TCTGTCTGTCTTCTCCTA 2000
              | ||| ||| ||||||||
Db         20 TGTGTGTGTTTTCTCCTA 3


RESULT 1525
US-10-646-301A-20/c
; Sequence 20, Application US/10646301A
; Publication No. US20040137467A1
; GENERAL INFORMATION:
;  APPLICANT: Altmann, Scott  W
;  APPLICANT:  Wang, Luquan
;  APPLICANT:  Graziano, Michael
;  APPLICANT:  Murgolo, Nick
;  TITLE OF INVENTION: NPC1L1 (NPC3) AND METHODS OF USE THEREOF
;  FILE REFERENCE: JB01603-K1-US
;  CURRENT APPLICATION NUMBER: US/10/646,301A
;  CURRENT FILING DATE:  2003-08-22
;  PRIOR APPLICATION NUMBER: 60/397,442
;  PRIOR FILING DATE: 2002-07-19
;  PRIOR APPLICATION NUMBER: 10/621,758
;  PRIOR FILING DATE: 2003-07-17
;  NUMBER OF SEQ ID NOS: 50
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: primer
US-10-646-301A-20

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        234 CAAAGCCAATGCTGAGGA 251
              ||||||| | | ||||||
Db         19 CAAAGCCCAGGATGAGGA 2


RESULT 1526
US-10-664-639A-16
; Sequence 16, Application US/10664639A
; Publication No. US20040137471A1
; GENERAL INFORMATION:
;  APPLICANT: Vickers, Timothy
;  APPLICANT:  Koo, Seongjoon
;  APPLICANT:  Bennett, C. Frank
;  APPLICANT:  Crooke, Stanley T.
;  APPLICANT:  Dean, Nicholas, M.
;  APPLICANT:  Baker, Brenda F.
;  TITLE OF INVENTION: Efficient Reduction of Target RNA's by Single- and
;  TITLE OF INVENTION:  Double-Stranded Oligomeric Compounds
;  FILE REFERENCE: ISIS0001-100 (CORE00027US)
;  CURRENT APPLICATION NUMBER: US/10/664,639A
;  CURRENT FILING DATE:  2003-09-18
;  PRIOR APPLICATION NUMBER: US 60/411,780
;  PRIOR FILING DATE: 2002-09-18
;  NUMBER OF SEQ ID NOS: 121
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 16
;    LENGTH: 20
;    TYPE: DNA
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;   ORGANISM: artificial sequence
;   FEATURE:
;   OTHER INFORMATION: oligonucleotide
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(6)
;   OTHER INFORMATION: 2'-O-methoxyethyl substituted bases
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(20)
;   OTHER INFORMATION: 2'-O-methoxyethyl substituted bases
US-10-664-639A-16

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        262 TACCACAGCGATGACTAC 279
              ||||||| |||||  ||
Db          3 TACCACAGTGATGATGAC 20


RESULT 1527
US-10-745-377-226
; Sequence 226, Application US/10745377
; Publication No. US20040137423A1
; GENERAL INFORMATION:
;  APPLICANT: Hayden, Michael R.
;  APPLICANT:  Pimstone, Simon
;  APPLICANT:  Brooks-Wilson, Angela R.
;  APPLICANT:  Clee, Susanne  M.
;  TITLE OF INVENTION: Compositions and Methods for Modulating
;  TITLE OF INVENTION:  HDL Cholesterol and Triglyceride Levels
;  FILE REFERENCE: 760050-109
;  CURRENT APPLICATION NUMBER: US/10/745,377
;  CURRENT FILING DATE:  2003-12-23
;  PRIOR APPLICATION NUMBER: 09/654,323
;  PRIOR FILING DATE: 2000-09-01
;  PRIOR APPLICATION NUMBER: US 60/124,702
;  PRIOR FILING DATE: 1999-03-15
;  PRIOR APPLICATION NUMBER: US 60/138,048
;  PRIOR FILING DATE: 1999-06-08
;  PRIOR APPLICATION NUMBER: US 60/139,600
;  PRIOR FILING DATE: 1999-06-17
;  PRIOR APPLICATION NUMBER: US 60/151,977
;  PRIOR FILING DATE: 1999-09-01
;  PRIOR APPLICATION NUMBER: US 09/526,193
;  PRIOR FILING DATE: 2000-03-15
;  PRIOR APPLICATION NUMBER: US 60/213,958
;  PRIOR FILING DATE: 2000-06-23
;  NUMBER OF SEQ ID NOS: 256
;  SOFTWARE: Word for Windows Version 6.0 (ASCII Text)
; SEQ ID NO 226
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic primer
US-10-745-377-226

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1514 TGGACCTCTCCAGCTCTG 1531
              || ||||||||  |||||
Db          3 TGCACCTCTCCTCCTCTG 20


RESULT 1528
US-10-652-795-72
; Sequence 72, Application US/10652795
; Publication No. US20040142346A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT:  Bennett, C. Frank
;  APPLICANT:  Butler, Madeline M.
;  APPLICANT:  Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TUMOR NECROSIS FACTOR-AL
;  TITLE OF INVENTION:  ALPHA) EXPRESSION
;  FILE REFERENCE: ISPH-0501
;  CURRENT APPLICATION NUMBER: US/10/652,795
;  CURRENT FILING DATE:  2003-08-29
;  PRIOR APPLICATION NUMBER: US/09/824,322B
;  PRIOR FILING DATE: 2001-04-02
;  PRIOR APPLICATION NUMBER: US 09/313,932
;  PRIOR FILING DATE: 1999-05-18
;  PRIOR APPLICATION NUMBER: US 09/166,186
;  PRIOR FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 503
; SEQ ID NO 72
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-10-652-795-72

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1585 TCTATTTCTCTGTGTATT 1602
              || |||  ||||||||||
Db          2 TCCATTCATCTGTGTATT 19


RESULT 1529
US-10-652-795-83
; Sequence 83, Application US/10652795
; Publication No. US20040142346A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT:  Bennett, C. Frank
;  APPLICANT:  Butler, Madeline M.
;  APPLICANT:  Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TUMOR NECROSIS FACTOR-AL
;  TITLE OF INVENTION:  ALPHA) EXPRESSION
;  FILE REFERENCE: ISPH-0501
;  CURRENT APPLICATION NUMBER: US/10/652,795
;  CURRENT FILING DATE:  2003-08-29
;  PRIOR APPLICATION NUMBER: US/09/824,322B
;  PRIOR FILING DATE: 2001-04-02
;  PRIOR APPLICATION NUMBER: US 09/313,932
;  PRIOR FILING DATE: 1999-05-18
;  PRIOR APPLICATION NUMBER: US 09/166,186
;  PRIOR FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 503
; SEQ ID NO 83
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-10-652-795-83

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1978 TGCCCTCTGTCTGTCTTC 1995
              | | ||||||||||| ||
Db          2 TCCTCTCTGTCTGTCATC 19


RESULT 1530
```

```
US-10-652-795-319/c
; Sequence 319, Application US/10652795
; Publication No. US20040142346A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT:  Bennett, C. Frank
;  APPLICANT:  Butler, Madeline M.
;  APPLICANT:  Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TUMOR NECROSIS FACTOR-ALP
;  TITLE OF INVENTION:  ALPHA) EXPRESSION
;  FILE REFERENCE: ISPH-0501
;  CURRENT APPLICATION NUMBER: US/10/652,795
;  CURRENT FILING DATE:  2003-08-29
;  PRIOR APPLICATION NUMBER: US/09/824,322B
;  PRIOR FILING DATE: 2001-04-02
;  PRIOR APPLICATION NUMBER: US 09/313,932
;  PRIOR FILING DATE: 1999-05-18
;  PRIOR APPLICATION NUMBER: US 09/166,186
;  PRIOR FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 503
; SEQ ID NO 319
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-10-652-795-319

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1674 CTGGGTGAGCTCTTCCAG 1691
              ||||| | | ||||||||
Db         20 CTGGGAGGGGTCTTCCAG 3


RESULT 1531
US-10-695-089-42/c
; Sequence 42, Application US/10695089
; Publication No. US20040142353A1
; GENERAL INFORMATION:
;  APPLICANT: CHEUNG, WING Y.
;  APPLICANT:  GAGNON, MARIE-JOSEE
;  APPLICANT:  LAFOREST, MARTIN
;  APPLICANT:  LANDRY, BENOIT S.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING PLANTS HAVING
;  TITLE OF INVENTION:  INCREASED TOLERANCE TO IMIDAZOLINONE HERBICIDES
;  FILE REFERENCE: 15039-2
;  CURRENT APPLICATION NUMBER: US/10/695,089
;  CURRENT FILING DATE:  2003-10-28
;  PRIOR APPLICATION NUMBER: 60/421,993
;  PRIOR FILING DATE: 2002-10-29
;  NUMBER OF SEQ ID NOS: 116
;  SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 42
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: oligonucleotide
US-10-695-089-42

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2021 TAGTCTAGTTTCCTTTTT 2038
              | || | ||||||||||
Db         18 TTGTTTTGTTTCCTTTTT 1


RESULT 1532
US-10-647-918-72
; Sequence 72, Application US/10647918
; Publication No. US20040152652A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT:  Bennett, C. Frank
;  APPLICANT:  Butler, Madeline M.
;  APPLICANT:  Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TUMOR NECROSIS FACTOR-AL
;  TITLE OF INVENTION:  ALPHA) EXPRESSION
;  FILE REFERENCE: ISPH-0501
;  CURRENT APPLICATION NUMBER: US/10/647,918
;  CURRENT FILING DATE:  2003-08-26
;  PRIOR APPLICATION NUMBER: US/09/824,322B
;  PRIOR FILING DATE: 2001-04-02
;  PRIOR APPLICATION NUMBER: US 09/313,932
;  PRIOR FILING DATE: 1999-05-18
;  PRIOR APPLICATION NUMBER: US 09/166,186
;  PRIOR FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 503
; SEQ ID NO 72
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-10-647-918-72

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1585 TCTATTTCTCTGTGTATT 1602
              || |||  ||||||||||
Db          2 TCCATTCATCTGTGTATT 19


RESULT 1533
US-10-647-918-83
; Sequence 83, Application US/10647918
; Publication No. US20040152652A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT:  Bennett, C. Frank
;  APPLICANT:  Butler, Madeline M.
;  APPLICANT:  Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TUMOR NECROSIS FACTOR-AL
;  TITLE OF INVENTION:  ALPHA) EXPRESSION
;  FILE REFERENCE: ISPH-0501
;  CURRENT APPLICATION NUMBER: US/10/647,918
;  CURRENT FILING DATE:  2003-08-26
;  PRIOR APPLICATION NUMBER: US/09/824,322B
;  PRIOR FILING DATE: 2001-04-02
;  PRIOR APPLICATION NUMBER: US 09/313,932
;  PRIOR FILING DATE: 1999-05-18
;  PRIOR APPLICATION NUMBER: US 09/166,186
;  PRIOR FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 503
; SEQ ID NO 83
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-10-647-918-83

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1978 TGCCCTCTGTCTGTCTTC 1995
              | | |||||||||||  ||
```

```
Db          2 TCCTCTCTGTCTGTCATC 19


RESULT 1534
US-10-647-918-319/c
; Sequence 319, Application US/10647918
; Publication No. US20040152652A1
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT:  Bennett, C. Frank
;  APPLICANT:  Butler, Madeline M.
;  APPLICANT:  Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TUMOR NECROSIS FACTOR-ALP
;  TITLE OF INVENTION:  ALPHA) EXPRESSION
;  FILE REFERENCE: ISPH-0501
;  CURRENT APPLICATION NUMBER: US/10/647,918
;  CURRENT FILING DATE:  2003-08-26
;  PRIOR APPLICATION NUMBER: US/09/824,322B
;  PRIOR FILING DATE: 2001-04-02
;  PRIOR APPLICATION NUMBER: US 09/313,932
;  PRIOR FILING DATE: 1999-05-18
;  PRIOR APPLICATION NUMBER: US 09/166,186
;  PRIOR FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 503
; SEQ ID NO 319
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-10-647-918-319

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1674 CTGGGTGAGCTCTTCCAG 1691
              ||||| | | ||||||||
Db         20 CTGGGAGGGGTCTTCCAG 3


RESULT 1535
US-10-766-185-65
; Sequence 65, Application US/10766185
; Publication No. US20040152655A1
; GENERAL INFORMATION:
;  APPLICANT: Yoon, Heejeong
;  APPLICANT:  Ahn, Chang Ho
;  APPLICANT:  Lee, Young  Bok
;  APPLICANT:  Mao, Lingjun
;  APPLICANT:  Jiang, Xiaoming
;  TITLE OF INVENTION: Antisense Oligonucleotides that inhibit expression of HIF-1
;  FILE REFERENCE: REX 7034
;  CURRENT APPLICATION NUMBER: US/10/766,185
;  CURRENT FILING DATE:  2004-01-28
;  NUMBER OF SEQ ID NOS: 130
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 65
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   OTHER INFORMATION: antisense oligonucleotide
US-10-766-185-65

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2074 ATAAAATGGTACATTTCT 2091
              |||||| ||| ||||| |
Db          1 ATAAAAAGGTGCATTTTT 18


RESULT 1536
US-10-744-465-141
; Sequence 141, Application US/10744465
; Publication No. US20040157250A1
; GENERAL INFORMATION:
;  APPLICANT: Hayden, Michael R.
;  APPLICANT:  Brooks-Wilson, Angela R.
;  APPLICANT:  Pimstone, Simon N.
;  TITLE OF INVENTION: METHODS AND REAGENTS FOR MODULATING CHOLESTEROL LEVELS
;  FILE REFERENCE: 760050-92
;  CURRENT APPLICATION NUMBER: US/10/744,465
;  CURRENT FILING DATE:  2003-12-23
;  PRIOR APPLICATION NUMBER: 10/617,334
;  PRIOR FILING DATE: 2003-07-10
;  PRIOR APPLICATION NUMBER: US 09/526,193
;  PRIOR FILING DATE: 2000-03-15
;  PRIOR APPLICATION NUMBER: 60/124,702
;  PRIOR FILING DATE: 1999-03-15
;  PRIOR APPLICATION NUMBER: 60/138,048
;  PRIOR FILING DATE: 1999-06-08
;  PRIOR APPLICATION NUMBER: 60/139,600
;  PRIOR FILING DATE: 1999-06-17
;  PRIOR APPLICATION NUMBER: 60/151,977
;  PRIOR FILING DATE: 1999-09-01
;  NUMBER OF SEQ ID NOS: 287
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 141
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-744-465-141

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1514 TGGACCTCTCCAGCTCTG 1531
              || |||||||| |||||
Db          3 TGCACCTCTCCTCCTCTG 20


RESULT 1537
US-10-736-769-20/c
; Sequence 20, Application US/10736769
; Publication No. US20040161838A1
; GENERAL INFORMATION:
;  APPLICANT: Altmann, Scott  W
;  APPLICANT:  Wang, Luquan
;  APPLICANT:  Graziano, Michael
;  APPLICANT:  Murgolo, Nick
;  TITLE OF INVENTION: NPC1L1 (NPC3) AND METHODS OF USE THEREOF
;  FILE REFERENCE: JB01603-K3-US
;  CURRENT APPLICATION NUMBER: US/10/736,769
;  CURRENT FILING DATE:  2003-12-16
;  PRIOR APPLICATION NUMBER: 60/397,442
;  PRIOR FILING DATE: 2002-07-19
;  PRIOR APPLICATION NUMBER: 10/621,758
;  PRIOR FILING DATE: 2003-07-17
;  PRIOR APPLICATION NUMBER: 10/646,301
;  PRIOR FILING DATE: 2003-08-22
;  PRIOR APPLICATION NUMBER: 10/663,208
;  PRIOR FILING DATE: 2003-09-16
;  NUMBER OF SEQ ID NOS: 51
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
US-10-736-769-20
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```
  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        234 CAAAGCCAATGCTGAGGA 251
              ||||||| | | ||||||
Db         19 CAAAGCCCAGGATGAGGA 2


RESULT 1538
US-10-365-352-27/c
; Sequence 27, Application US/10365352
; Publication No. US20040171149A1
; GENERAL INFORMATION:
;  APPLICANT: Wraight, Christopher
;  APPLICANT:  Werther, Georger
;  APPLICANT:  Dean, Nicholas
;  APPLICANT:  Dobie, Kenneth
;  TITLE OF INVENTION: Modulation of insulin-like growth factor I receptor expression
;  FILE REFERENCE: 229752002500
;  CURRENT APPLICATION NUMBER: US/10/365,352
;  CURRENT FILING DATE:  2003-02-11
;  NUMBER OF SEQ ID NOS: 98
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 27
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   OTHER INFORMATION: antisense oligonucleotide
US-10-365-352-27

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1654 CCGAGCTCAGGGCAGCTG 1671
              |||||| | |||| ||||
Db         19 CCGAGCCCTGGGCCGCTG 2


RESULT 1539
US-10-365-352-83
; Sequence 83, Application US/10365352
; Publication No. US20040171149A1
; GENERAL INFORMATION:
;  APPLICANT: Wraight, Christopher
;  APPLICANT:  Werther, Georger
;  APPLICANT:  Dean, Nicholas
;  APPLICANT:  Dobie, Kenneth
;  TITLE OF INVENTION: Modulation of insulin-like growth factor I receptor expression
;  FILE REFERENCE: 229752002500
;  CURRENT APPLICATION NUMBER: US/10/365,352
;  CURRENT FILING DATE:  2003-02-11
;  NUMBER OF SEQ ID NOS: 98
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 83
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: human
US-10-365-352-83

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1654 CCGAGCTCAGGGCAGCTG 1671
              |||||| | |||| ||||
Db          2 CCGAGCCCTGGGCCGCTG 19


RESULT 1540
US-10-641-455A-205/c
; Sequence 205, Application US/10641455A
; Publication No. US20040171566A1
; GENERAL INFORMATION:
;  APPLICANT: Monia, Brett P.
;  APPLICANT:  Gaarde, William A.
;  APPLICANT:  Nero, Pamela S.
;  APPLICANT:  McKay, Robert
;  APPLICANT:  Popoff, Ian
;  APPLICANT:  Wong, Wai Shiu Fred
;  TITLE OF INVENTION: Antisense Oligonucleotide Modulation of p38 Mitogen
;  TITLE OF INVENTION:  Activated Protein Kinase Expression
;  FILE REFERENCE: ISPH-0762
;  CURRENT APPLICATION NUMBER: US/10/641,455A
;  CURRENT FILING DATE:  2003-08-15
;  PRIOR APPLICATION NUMBER: US 10/238,442
;  PRIOR FILING DATE: 2002-09-09
;  PRIOR APPLICATION NUMBER: US 09/640,101
;  PRIOR FILING DATE: 2000-08-15
;  PRIOR APPLICATION NUMBER: US 09/286,904
;  PRIOR FILING DATE: 1999-04-06
;  NUMBER OF SEQ ID NOS: 266
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 205
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-641-455A-205

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 9.4e+02;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        759 TGATGACGAGTCCTATGA 776
              | ||||| |||||| |||
Db         18 TTATGACCAGTCCTTTGA 1


RESULT 1541
US-09-864-785-3689
; Sequence 3689, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Draper, Ken
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
;  TITLE OF INVENTION:  Levels of NF-Kappa B
;  FILE REFERENCE: 400/022 (MBHB00-812-D)
;  CURRENT APPLICATION NUMBER: US/09/864,785
;  CURRENT FILING DATE:  2001-05-23
;  NUMBER OF SEQ ID NOS: 3929
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3689
;   LENGTH: 15
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Nucleic Acid
US-09-864-785-3689

  Query Match             0.6%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   84.6%;  Pred. No. 6.7e+02;
  Matches   11;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        997 AGGACATATGAGA 1009
              ||||||:|:||||
Db          3 AGGACAUAUGAGA 15


RESULT 1542
```

```
JS-09-945-505-18/c
; Sequence 18, Application US/09945505
; Publication No. US20030165844A1
; GENERAL INFORMATION:
;  APPLICANT: Anastasio, Alison E.
;  APPLICANT:  Chew, Anne
;  APPLICANT:  Denton, R. Rex
;  APPLICANT:  Nandabalan, Krishnan
;  APPLICANT:  Parks, Katie E.
;  APPLICANT:  Stephens, J. Claiborne
;  TITLE OF INVENTION: Haplotypes of the TNFRSF1A Gene
;  FILE REFERENCE: MWH-0030US
;  CURRENT APPLICATION NUMBER: US/09/945,505
;  CURRENT FILING DATE:  2001-08-31
;  NUMBER OF SEQ ID NOS: 41
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-945-505-18

  Query Match             0.6%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   86.7%;  Pred. No. 6.7e+02;
  Matches   13;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1284 CTGCTCCTCTGACAA 1298
              |:||||||||||| |
Db         15 CYGCTCCTCTGACCA 1


RESULT 1543
US-10-043-875-250/c
; Sequence 250, Application US/10043875
; Publication No. US20030054339A1
; GENERAL INFORMATION:
;  APPLICANT: De Smet, Koenraad
;  APPLICANT:  Stuyver, Lieven
;  TITLE OF INVENTION: Method for Detection of Drug-Induced Mutations in the HIV Reverse
;  TITLE OF INVENTION:  Transcriptase Gene
;  FILE REFERENCE: 11362-0033-NPUS01 (INNS:033)
;  CURRENT APPLICATION NUMBER: US/10/043,875
;  CURRENT FILING DATE:  2002-04-03
;  PRIOR APPLICATION NUMBER: 60/286,102
;  PRIOR FILING DATE: 2001-04-24
;  PRIOR APPLICATION NUMBER: EP 01870085.6
;  PRIOR FILING DATE: 2001-04-20
;  PRIOR APPLICATION NUMBER: EP 01870005.4
;  PRIOR FILING DATE: 2001-01-11
;  NUMBER OF SEQ ID NOS: 884
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 250
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Human immunodeficiency virus
US-10-043-875-250

  Query Match             0.6%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 6.7e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1226 CCATCCCTGAGGA 1238
              |||||||||||||
Db         15 CCATCCCTGAGGA 3


RESULT 1544
US-10-084-839-3505/c
; Sequence 3505, Application US/10084839
; Publication No. US20030186238A1
; GENERAL INFORMATION:
;  APPLICANT: Third Wave Technologies
;  APPLICANT:  Allawi, Hatim
;  APPLICANT:  Argue, Brad T.
;  APPLICANT:  Bartholomay, Christian T.
;  APPLICANT:  Chehak, LuAnne
;  APPLICANT:  Curtis, Michelle L.
;  APPLICANT:  Eis, Peggy S.
;  APPLICANT:  Hall, Jeff G.
;  APPLICANT:  Ip, Hon S.
;  APPLICANT:  Ji, Lin
;  APPLICANT:  Kaiser, Michael
;  APPLICANT:  Kwiatkowski, Jr., Robert W.
;  APPLICANT:  Lukowiak, Andrew A.
;  APPLICANT:  Lyamichev, Victor
;  APPLICANT:  Lymaicheva, Natalie E.
;  APPLICANT:  Ma, WuPo
;  APPLICANT:  Neri, Bruce P.
;  APPLICANT:  Olson, Sarah M.
;  APPLICANT:  Olson-Munoz, Marilyn C.
;  APPLICANT:  Schaefer, James J.
;  APPLICANT:  Skrzypczynski, Zbigniew
;  APPLICANT:  Takova, Tsetska Y.
;  APPLICANT:  Thompson, Lisa C.
;  APPLICANT:  Vedvik, Kevin L.
;  TITLE OF INVENTION: RNA Detection Assays
;  FILE REFERENCE: FORS-06666
;  CURRENT APPLICATION NUMBER: US/10/084,839
;  CURRENT FILING DATE:  2002-02-26
;  NUMBER OF SEQ ID NOS: 4004
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3505
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-10-084-839-3505

  Query Match             0.6%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 6.7e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        327 CAAGCAGATGCAG 339
              |||||||||||||
Db         14 CAAGCAGATGCAG 2


RESULT 1545
US-10-440-850-420
; Sequence 420, Application US/10440850
; Publication No. US20030207837A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Jarvis, Thale
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Reve
;  TITLE OF INVENTION:  Immune Responses
;  FILE REFERENCE: 250/130 (MBHB00-900-A)
;  CURRENT APPLICATION NUMBER: US/10/440,850
;  CURRENT FILING DATE:  2003-05-19
;  PRIOR APPLICATION NUMBER: US/09/650,012
;  PRIOR FILING DATE: 2000-08-28
;  PRIOR APPLICATION NUMBER: US 08/585,684
;  PRIOR FILING DATE: 1996-01-12
;  PRIOR APPLICATION NUMBER: US 60/000,951
;  PRIOR FILING DATE: 1995-07-07
;  PRIOR APPLICATION NUMBER: US 09/038,073
;  PRIOR FILING DATE: 1998-03-11
;  NUMBER OF SEQ ID NOS: 2285
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 420
;   LENGTH: 15
;   TYPE: RNA
;   ORGANISM: Mus musculus
```

US-10-440-850-420

Query Match 0.6%; Score 13; DB 1; Length 15;
Best Local Similarity 53.8%; Pred. No. 6.7e+02;
Matches 7; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```
Qy       2053 ATTTTTGTGAGCC 2065
              |:::::|:|||||
Db          3 AUUUUUGUGAGCC 15
```

RESULT 1546
US-10-084-839-3483/c
; Sequence 3483, Application US/10084839
; Publication No. US20030186238A1
; GENERAL INFORMATION:
; APPLICANT: Third Wave Technologies
; APPLICANT: Allawi, Hatim
; APPLICANT: Argue, Brad T.
; APPLICANT: Bartholomay, Christian T.
; APPLICANT: Chehak, LuAnne
; APPLICANT: Curtis, Michelle L.
; APPLICANT: Eis, Peggy S.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Ip, Hon S.
; APPLICANT: Ji, Lin
; APPLICANT: Kaiser, Michael
; APPLICANT: Kwiatkowski, Jr., Robert W.
; APPLICANT: Lukowiak, Andrew A.
; APPLICANT: Lyamichev, Victor
; APPLICANT: Lymaicheva, Natalie E.
; APPLICANT: Ma, WuPo
; APPLICANT: Neri, Bruce P.
; APPLICANT: Olson, Sarah M.
; APPLICANT: Olson-Munoz, Marilyn C.
; APPLICANT: Schaefer, James J.
; APPLICANT: Skrzypczynski, Zbigniew
; APPLICANT: Takova, Tsetska Y.
; APPLICANT: Thompson, Lisa C.
; APPLICANT: Vedvik, Kevin L.
; TITLE OF INVENTION: RNA Detection Assays
; FILE REFERENCE: FORS-06666
; CURRENT APPLICATION NUMBER: US/10/084,839
; CURRENT FILING DATE: 2002-02-26
; NUMBER OF SEQ ID NOS: 4004
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3483
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-084-839-3483

Query Match 0.6%; Score 13; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy        327 CAAGCAGATGCAG 339
              |||||||||||||
Db         14 CAAGCAGATGCAG 2
```

RESULT 1547
US-10-084-839-3501/c
; Sequence 3501, Application US/10084839
; Publication No. US20030186238A1
; GENERAL INFORMATION:
; APPLICANT: Third Wave Technologies
; APPLICANT: Allawi, Hatim
; APPLICANT: Argue, Brad T.
; APPLICANT: Bartholomay, Christian T.
; APPLICANT: Chehak, LuAnne
; APPLICANT: Curtis, Michelle L.
; APPLICANT: Eis, Peggy S.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Ip, Hon S.
; APPLICANT: Ji, Lin
; APPLICANT: Kaiser, Michael
; APPLICANT: Kwiatkowski, Jr., Robert W.
; APPLICANT: Lukowiak, Andrew A.
; APPLICANT: Lyamichev, Victor
; APPLICANT: Lymaicheva, Natalie E.
; APPLICANT: Ma, WuPo
; APPLICANT: Neri, Bruce P.
; APPLICANT: Olson, Sarah M.
; APPLICANT: Olson-Munoz, Marilyn C.
; APPLICANT: Schaefer, James J.
; APPLICANT: Skrzypczynski, Zbigniew
; APPLICANT: Takova, Tsetska Y.
; APPLICANT: Thompson, Lisa C.
; APPLICANT: Vedvik, Kevin L.
; TITLE OF INVENTION: RNA Detection Assays
; FILE REFERENCE: FORS-06666
; CURRENT APPLICATION NUMBER: US/10/084,839
; CURRENT FILING DATE: 2002-02-26
; NUMBER OF SEQ ID NOS: 4004
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3501
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-084-839-3501

Query Match 0.6%; Score 13; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy        327 CAAGCAGATGCAG 339
              |||||||||||||
Db         13 CAAGCAGATGCAG 1
```

RESULT 1548
US-10-277-216-330/c
; Sequence 330, Application US/10277216
; Publication No. US20040002470A1
; GENERAL INFORMATION:
; APPLICANT: KEITH, TIM
; TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES,
; TITLE OF INVENTION: OBESITY, AND INFLAMMATORY BOWEL DISEASE
; FILE REFERENCE: 2976-4051
; CURRENT APPLICATION NUMBER: US/10/277,216
; CURRENT FILING DATE: 2002-10-17
; PRIOR APPLICATION NUMBER: 10/126,022
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 09/834,597
; PRIOR FILING DATE: 2001-04-13
; PRIOR APPLICATION NUMBER: 09/548,797
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 420
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 330
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-277-216-330

Query Match 0.6%; Score 13; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 7.4e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy        356 AGGACTGTCCAGT 368
              |||||||||||||
Db         13 AGGACTGTCCAGT 1


RESULT 1549
US-10-126-022-330/c
; Sequence 330, Application US/10126022
; Publication No. US20040023215A1
; GENERAL INFORMATION:
;  APPLICANT: KEITH, TIM
;  TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES,
;  TITLE OF INVENTION:  OBESITY, AND INFLAMMATORY BOWEL DISEASE
;  FILE REFERENCE: 2976-4039US2
;  CURRENT APPLICATION NUMBER: US/10/126,022
;  CURRENT FILING DATE:  2002-04-19
;  PRIOR APPLICATION NUMBER: 09/834,597
;  PRIOR FILING DATE: 2001-04-13
;  PRIOR APPLICATION NUMBER: 09/548,797
;  PRIOR FILING DATE: 2000-04-13
;  NUMBER OF SEQ ID NOS: 420
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 330
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-126-022-330

  Query Match             0.6%;  Score 13;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 7.4e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        356 AGGACTGTCCAGT 368
              |||||||||||||
Db         13 AGGACTGTCCAGT 1


RESULT 1550
US-09-864-785-2799
; Sequence 2799, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Draper, Ken
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Levels of NF-Kappa B
;  FILE REFERENCE: 400/022 (MBHB00-812-D)
;  CURRENT APPLICATION NUMBER: US/09/864,785
;  CURRENT FILING DATE:  2001-05-23
;  NUMBER OF SEQ ID NOS: 3929
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2799
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Nucleic Acid
US-09-864-785-2799

  Query Match             0.6%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   84.6%;  Pred. No. 8.1e+02;
  Matches   11;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        998 GGACATATGAGAC 1010
              |||||:|:||||
Db          1 GGACAUAUGAGAC 13


RESULT 1551
US-09-818-875-955
; Sequence 955, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/09/818,875
;  CURRENT FILING DATE:  2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 955
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-818-875-955

  Query Match             0.6%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 8.1e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1464 GGAGAAGCCAGAA 1476
              |||||||||||||
Db          1 GGAGAAGCCAGAA 13


RESULT 1552
US-09-818-875-956/c
; Sequence 956, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/09/818,875
;  CURRENT FILING DATE:  2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 956
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-818-875-956

  Query Match             0.6%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 8.1e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1464 GGAGAAGCCAGAA 1476
              |||||||||||||
Db         17 GGAGAAGCCAGAA 5
```

RESULT 1553
US-09-780-533A-758/c
; Sequence 758, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Chowrira, Bharat
; APPLICANT: Haeberli, Pete
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
; FILE REFERENCE: MBHB00,878-A (400/011)
; CURRENT APPLICATION NUMBER: US/09/780,533A
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: US 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 6679
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 758
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-533A-758

Query Match 0.6%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 8.1e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GAGCCGCGGGCGG 18
||||||||||||||
Db 17 GAGCCGCGGGCGG 5

RESULT 1554
US-09-780-533A-759/c
; Sequence 759, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Chowrira, Bharat
; APPLICANT: Haeberli, Pete
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
; FILE REFERENCE: MBHB00,878-A (400/011)
; CURRENT APPLICATION NUMBER: US/09/780,533A
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: US 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 6679
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 759
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-533A-759

Query Match 0.6%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 8.1e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GAGCCGCGGGCGG 18
||||||||||||||
Db 16 GAGCCGCGGGCGG 4

RESULT 1555
US-09-780-164-23/c
; Sequence 23, Application US/09780164
; Publication No. US20030092646A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20
; FILE REFERENCE: 400/010
; CURRENT APPLICATION NUMBER: US/09/780,164
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/185,516
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 2603
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 23
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-164-23

Query Match 0.6%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 8.1e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1072 TTTGGACCAGATT 1084
||||||||||||||
Db 13 TTTGGACCAGATT 1

RESULT 1556
US-09-923-917-11/c
; Sequence 11, Application US/09923917
; Publication No. US20040170970A1
; GENERAL INFORMATION:
; APPLICANT: Johnsson, N.
; APPLICANT: Lehming, N.
; APPLICANT: Wittke, S.
; APPLICANT: Varshavsky, A.
; TITLE OF INVENTION: SPLIT-UBIQUITIN BASED REPORTER SYSTEMS AND METHODS OF THEIR USE
; FILE REFERENCE: GPCG-P01-017
; CURRENT APPLICATION NUMBER: US/09/923,917
; CURRENT FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: 60/223,411
; PRIOR FILING DATE: 2000-08-04
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Saccharomyces cerevisiae
US-09-923-917-11

Query Match 0.6%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 8.1e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1627 ATATCCCCAGGGA 1639
||||||||||||||
Db 16 ATATCCCCAGGGA 4

RESULT 1557
US-10-312-932-2
; Sequence 2, Application US/10312932
; Publication No. US20030113885A1
; GENERAL INFORMATION:
; APPLICANT: Lee, Sang Yup
; APPLICANT: Chang, Ho Nam
; APPLICANT: Lee, Pyung Cheon
; APPLICANT: Lee, Woo-gi
; TITLE OF INVENTION: ORGANIC ACID PRODUCING MICROORGANISM AND PROCESS FOR PREPARING O
; TITLE OF INVENTION: ACIDS EMPLOYING THE SAME
; FILE REFERENCE: YPL-0049
; CURRENT APPLICATION NUMBER: US/10/312,932
; CURRENT FILING DATE: 2002-12-30
; PRIOR APPLICATION NUMBER: PCT/KR01/01127

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;  PRIOR FILING DATE: 2001-06-29
;  NUMBER OF SEQ ID NOS: 2
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
US-10-312-932-2

  Query Match             0.6%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   76.5%;  Pred. No. 8.1e+02;
  Matches   13;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        808 ATGGAGATGTTCCAGCC 824
              | |||| ||:||||:||
Db          1 AAGGAGGTGWTCCARCC 17


RESULT 1558
US-10-156-306-1330/c
; Sequence 1330, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Levels of IKK-Gamma and PKR
;  FILE REFERENCE: MBHB01-664-A (400/050)
;  CURRENT APPLICATION NUMBER: US/10/156,306
;  CURRENT FILING DATE:  2002-05-28
;  NUMBER OF SEQ ID NOS: 8013
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1330
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
JS-10-156-306-1330

  Query Match             0.6%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 8.1e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        547 GAACTGCTAAAGT 559
              |||||||||||||
Db         13 GAACTGCTAAAGT 1


RESULT 1559
US-10-209-787-955
; Sequence 955, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/10/209,787
;  CURRENT FILING DATE:  2002-07-30
;  PRIOR APPLICATION NUMBER: US 09/818,875
;  PRIOR FILING DATE: 2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 955
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-209-787-955

  Query Match             0.6%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 8.1e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1464 GGAGAAGCCAGAA 1476
              |||||||||||||
Db          1 GGAGAAGCCAGAA 13


RESULT 1560
US-10-209-787-956/c
; Sequence 956, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/10/209,787
;  CURRENT FILING DATE:  2002-07-30
;  PRIOR APPLICATION NUMBER: US 09/818,875
;  PRIOR FILING DATE: 2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 956
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-209-787-956

  Query Match             0.6%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 8.1e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1464 GGAGAAGCCAGAA 1476
              |||||||||||||
Db         17 GGAGAAGCCAGAA 5


RESULT 1561
US-10-261-185-955
; Sequence 955, Application US/10261185
; Publication No. US20040014057A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: NaPro-4CON
;  CURRENT APPLICATION NUMBER: US/10/261,185
;  CURRENT FILING DATE:  2002-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/09761
;  PRIOR FILING DATE: 2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
```

```
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 955
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-261-185-955

  Query Match             0.6%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 8.1e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1464 GGAGAAGCCAGAA 1476
              |||||||||||||
Db          1 GGAGAAGCCAGAA 13


RESULT 1562
US-10-261-185-956/c
; Sequence 956, Application US/10261185
; Publication No. US20040014057A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: NaPro-4CON
;  CURRENT APPLICATION NUMBER: US/10/261,185
;  CURRENT FILING DATE:  2002-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/09761
;  PRIOR FILING DATE: 2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 956
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-261-185-956

  Query Match             0.6%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 8.1e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1464 GGAGAAGCCAGAA 1476
              |||||||||||||
Db         17 GGAGAAGCCAGAA 5


RESULT 1563
US-10-138-674-2781
; Sequence 2781, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions R
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/138,674
;  CURRENT FILING DATE:  2002-05-03
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2781
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Mus musculus
US-10-138-674-2781

  Query Match             0.6%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   30.8%;  Pred. No. 8.1e+02;
  Matches    4;  Conservative    9;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2047 ATTTTCATTTTTG 2059
              |::::||:::::|
Db          5 AUUUUCAUUUUUG 17


RESULT 1564
US-10-138-674-2782
; Sequence 2782, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions R
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/138,674
;  CURRENT FILING DATE:  2002-05-03
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2782
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Mus musculus
US-10-138-674-2782

  Query Match             0.6%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   30.8%;  Pred. No. 8.1e+02;
  Matches    4;  Conservative    9;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2047 ATTTTCATTTTTG 2059
              |::::||:::::|
Db          4 AUUUUCAUUUUUG 16


RESULT 1565
US-10-138-674-2783
; Sequence 2783, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions R
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/138,674
;  CURRENT FILING DATE:  2002-05-03
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2783
;   LENGTH: 17
```

```
;   TYPE: RNA
;   ORGANISM: Mus musculus
US-10-138-674-2783

  Query Match             0.6%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   30.8%;  Pred. No. 8.1e+02;
  Matches    4;  Conservative    9;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2047 ATTTTCATTTTTG 2059
              |::::||:::::|
Db          1 AUUUUCAUUUUUG 13


RESULT 1566
US-10-287-949A-2781
; Sequence 2781, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/287,949A
;  CURRENT FILING DATE:  2003-04-11
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2781
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Mus musculus
US-10-287-949A-2781

  Query Match             0.6%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   30.8%;  Pred. No. 8.1e+02;
  Matches    4;  Conservative    9;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2047 ATTTTCATTTTTG 2059
              |::::||:::::|
Db          5 AUUUUCAUUUUUG 17


RESULT 1567
US-10-287-949A-2782
; Sequence 2782, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/287,949A
;  CURRENT FILING DATE:  2003-04-11
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2782
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Mus musculus
US-10-287-949A-2782

  Query Match             0.6%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   30.8%;  Pred. No. 8.1e+02;
  Matches    4;  Conservative    9;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2047 ATTTTCATTTTTG 2059
              |::::||:::::|
Db          4 AUUUUCAUUUUUG 16


RESULT 1568
US-10-287-949A-2783
; Sequence 2783, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions R
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00-876-N (400/049)
;  CURRENT APPLICATION NUMBER: US/10/287,949A
;  CURRENT FILING DATE:  2003-04-11
;  NUMBER OF SEQ ID NOS: 20822
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2783
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Mus musculus
US-10-287-949A-2783

  Query Match             0.6%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   30.8%;  Pred. No. 8.1e+02;
  Matches    4;  Conservative    9;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2047 ATTTTCATTTTTG 2059
              |::::||:::::|
Db          1 AUUUUCAUUUUUG 13


RESULT 1569
US-08-779-457-36/c
; Sequence 36, Application US/08779457
; Publication No. US20020193571A1
;  GENERAL INFORMATION:
;    APPLICANT:  Carter, Paul J.
;    APPLICANT:  Chiang, Nancy Y.
;    APPLICANT:  Kyung, Jin Kim
;    APPLICANT:  Matthews, William
;    APPLICANT:  Rodrigues, Maria L.
;    TITLE OF INVENTION:  WSX RECEPTOR AGONIST ANTIBODIES
;    NUMBER OF SEQUENCES:  51
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genentech, Inc.
;      STREET:  460 Point San Bruno Blvd
;      CITY:  South San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94080
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch, 1.44 Mb floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WinPatin (Genentech)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/779,457
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667197
;      FILING DATE:  06/20/96
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/585005
;      FILING DATE:  01/08/96
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lee, Wendy M.
;      REGISTRATION NUMBER:  40,378
```

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;      REFERENCE/DOCKET NUMBER:  P0986P2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415/225-1994
;      TELEFAX:  415/952-9881
;      TELEX:  910/371-7168
;  INFORMATION FOR SEQ ID NO:  36:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
US-08-779-457-36

  Query Match             0.6%;  Score 13;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 8.8e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1003 TATGAGACAGCTG 1015
              |||||||||||||
Db         13 TATGAGACAGCTG 1


RESULT 1570
US-08-779-457-37
; Sequence 37, Application US/08779457
; Publication No. US20020193571A1
;  GENERAL INFORMATION:
;    APPLICANT:  Carter, Paul J.
;    APPLICANT:  Chiang, Nancy Y.
;    APPLICANT:  Kyung, Jin Kim
;    APPLICANT:  Matthews, William
;    APPLICANT:  Rodrigues, Maria L.
;    TITLE OF INVENTION:  WSX RECEPTOR AGONIST ANTIBODIES
;    NUMBER OF SEQUENCES:  51
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genentech, Inc.
;      STREET:  460 Point San Bruno Blvd
;      CITY:  South San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94080
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch, 1.44 Mb floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WinPatin (Genentech)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/779,457
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667197
;      FILING DATE:  06/20/96
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/585005
;      FILING DATE:  01/08/96
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lee, Wendy M.
;      REGISTRATION NUMBER:  40,378
;      REFERENCE/DOCKET NUMBER:  P0986P2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415/225-1994
;      TELEFAX:  415/952-9881
;      TELEX:  910/371-7168
;  INFORMATION FOR SEQ ID NO:  37:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
US-08-779-457-37

  Query Match             0.6%;  Score 13;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 8.8e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1003 TATGAGACAGCTG 1015
              |||||||||||||
Db          6 TATGAGACAGCTG 18


RESULT 1571
US-09-969-373-2406/c
; Sequence 2406, Application US/09969373
; Patent No. US20020133852A1
; GENERAL INFORMATION:
;  APPLICANT: Effertz, Roger J.
;  APPLICANT:  Hauge, Brian M.
;  TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
;  FILE REFERENCE: 38-10(52679)A
;  CURRENT APPLICATION NUMBER: US/09/969,373
;  CURRENT FILING DATE:  2001-10-02
;  PRIOR APPLICATION NUMBER: US 09/754,853
;  PRIOR FILING DATE: 2001-01-05
;  PRIOR APPLICATION NUMBER: US 09/760,427
;  PRIOR FILING DATE: 2001-01-13
;  PRIOR APPLICATION NUMBER: US 09/855,768
;  PRIOR FILING DATE: 2001-05-15
;  NUMBER OF SEQ ID NOS: 4593
; SEQ ID NO 2406
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Glycine max
US-09-969-373-2406

  Query Match             0.6%;  Score 13;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 8.8e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        453 CATCGCTGTGAAT 465
              |||||||||||||
Db         17 CATCGCTGTGAAT 5


RESULT 1572
US-10-144-179A-39/c
; Sequence 39, Application US/10144179A
; Publication No. US20030211483A1
; GENERAL INFORMATION:
;  APPLICANT: Schroeder, Benjamin
;  APPLICANT:  Chen, Caifu
;  APPLICANT:  Schroth, Gary
;  TITLE OF INVENTION: Methods for the Enrichment of
;  TITLE OF INVENTION:  Low-Abundance Polynucleotides
;  FILE REFERENCE: ABIOS.005A
;  CURRENT APPLICATION NUMBER: US/10/144,179A
;  CURRENT FILING DATE:  2002-10-01
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 39
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Peptide Nucleic Acid (PNA) using a
;   OTHER INFORMATION: 2-aminoethylglycine backbone, where the nucleobase
;   OTHER INFORMATION: sequence is derived from human sequence.
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1, 18
;   OTHER INFORMATION: n is O, which is linker GEN06032
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (2)...(17)
;   OTHER INFORMATION: A, T, G and C are bases, where each is attached to
;   OTHER INFORMATION: a 2-aminoethylglycine backbone.
```

```
US-10-144-179A-39

  Query Match             0.6%;  Score 13;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 8.8e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1530 TGGCTTCCTGCTG 1542
              |||||||||||||
Db         14 TGGCTTCCTGCTG 2


RESULT 1573
US-10-214-802-36/c
; Sequence 36, Application US/10214802
; Publication No. US20030004109A1
;   GENERAL INFORMATION:
;        APPLICANT: Matthews, William
;                   Bennett, Brian
;        TITLE OF INVENTION: WSX RECEPTOR
;        NUMBER OF SEQUENCES: 45
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Genentech, Inc.
;             STREET: 460 Point San Bruno Blvd
;             CITY: South San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94080
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: WinPatin (Genentech)
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/214,802
;             FILING DATE: 06-Aug-2002
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/08/780,562
;             FILING DATE: <Unknown>
;             APPLICATION NUMBER: 08/585005
;             FILING DATE: 08-Jan-97
;             APPLICATION NUMBER: 60/
;             FILING DATE: 08-Jan-97
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Lee, Wendy M.
;             REGISTRATION NUMBER: 40,378
;             REFERENCE/DOCKET NUMBER: P0986R1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 415/225-1994
;             TELEFAX: 415/952-9881
;             TELEX: 910/371-7168
;   INFORMATION FOR SEQ ID NO: 36:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 18 base pairs
;             TYPE: Nucleic Acid
;             STRANDEDNESS: Single
;             TOPOLOGY: Linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 36:
US-10-214-802-36

  Query Match             0.6%;  Score 13;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 8.8e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1003 TATGAGACAGCTG 1015
              |||||||||||||
Db         13 TATGAGACAGCTG 1


RESULT 1574
US-10-214-802-37
; Sequence 37, Application US/10214802
; Publication No. US20030004109A1
;   GENERAL INFORMATION:
;        APPLICANT: Matthews, William
;                   Bennett, Brian
;        TITLE OF INVENTION: WSX RECEPTOR
;        NUMBER OF SEQUENCES: 45
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Genentech, Inc.
;             STREET: 460 Point San Bruno Blvd
;             CITY: South San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94080
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: WinPatin (Genentech)
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/214,802
;             FILING DATE: 06-Aug-2002
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/08/780,562
;             FILING DATE: <Unknown>
;             APPLICATION NUMBER: 08/585005
;             FILING DATE: 08-Jan-97
;             APPLICATION NUMBER: 60/
;             FILING DATE: 08-Jan-97
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Lee, Wendy M.
;             REGISTRATION NUMBER: 40,378
;             REFERENCE/DOCKET NUMBER: P0986R1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 415/225-1994
;             TELEFAX: 415/952-9881
;             TELEX: 910/371-7168
;   INFORMATION FOR SEQ ID NO: 37:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 18 base pairs
;             TYPE: Nucleic Acid
;             STRANDEDNESS: Single
;             TOPOLOGY: Linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 37:
US-10-214-802-37

  Query Match             0.6%;  Score 13;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 8.8e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1003 TATGAGACAGCTG 1015
              |||||||||||||
Db          6 TATGAGACAGCTG 18


RESULT 1575
US-10-349-143-4796/c
; Sequence 4796, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
```

```
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 4796
;    LENGTH: 18
;    TYPE: DNA
;    ORGANISM: Homo Sapiens
;    FEATURE:
;    NAME/KEY: primer_bind
;    LOCATION: 1..18
;    OTHER INFORMATION: upstream amplification primer 99-17833 for SEQ 862,
US-10-349-143-4796

  Query Match             0.6%;  Score 13;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 8.8e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1992 CTTCTCCTAATTC 2004
              |||||||||||||
Db         15 CTTCTCCTAATTC 3


RESULT 1576
US-10-435-489-39/c
; Sequence 39, Application US/10435489
; Publication No. US20040014105A1
; GENERAL INFORMATION:
;  APPLICANT: Schroeder, Benjamin
;  APPLICANT:  Chen, Caifu
;  APPLICANT:  Schroth, Gary
;  TITLE OF INVENTION: Methods for the Enrichment of
;  TITLE OF INVENTION:  Low-Abundance Polynucleotides
;  FILE REFERENCE: ABIOS.005CP1
;  CURRENT APPLICATION NUMBER: US/10/435,489
;  CURRENT FILING DATE:  2003-05-09
;  PRIOR APPLICATION NUMBER: 10/144,179
;  PRIOR FILING DATE: 2002-05-09
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 39
;    LENGTH: 18
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Peptide Nucleic Acid (PNA) using a
;    OTHER INFORMATION: 2-aminoethylglycine backbone, where the nucleobase
;    OTHER INFORMATION: sequence is derived from human sequence.
;    FEATURE:
;    NAME/KEY: misc_feature
;    LOCATION: 1, 18
;    OTHER INFORMATION: n is O, which is linker GEN06032
;    FEATURE:
;    NAME/KEY: misc_feature
;    LOCATION: (2)...(17)
;    OTHER INFORMATION: A, T, G and C are bases, where each is attached to
;    OTHER INFORMATION: a 2-aminoethylglycine backbone.
US-10-435-489-39

  Query Match             0.6%;  Score 13;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 8.8e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1530 TGGCTTCCTGCTG 1542
              |||||||||||||
Db         14 TGGCTTCCTGCTG 2


RESULT 1577
US-10-206-618-33/c
; Sequence 33, Application US/10206618
; Publication No. US20040018497A1
; GENERAL INFORMATION:
;  APPLICANT: Warden, Craig H.
;  TITLE OF INVENTION: HUMAN OBESITY LIPIN3 POLYNUCLEOTIDE AND
;  TITLE OF INVENTION:  POLYPEPTIDE SEQUENCES AND METHODS OF USE THEREOF
;  FILE REFERENCE: 220002064100
;  CURRENT APPLICATION NUMBER: US/10/206,618
;  CURRENT FILING DATE:  2002-07-26
;  NUMBER OF SEQ ID NOS: 43
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 33
;    LENGTH: 18
;    TYPE: DNA
;    ORGANISM: Homo sapiens
US-10-206-618-33

  Query Match             0.6%;  Score 13;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 8.8e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1338 GGAGGGAGAGGGG 1350
              |||||||||||||
Db         17 GGAGGGAGAGGGG 5


RESULT 1578
US-09-730-617-100
; Sequence 100, Application US/09730617
; Patent No. US20020068279A1
; GENERAL INFORMATION:
;  APPLICANT: Burgess, Catherine E
;  APPLICANT:  Prayaga, Sudhirdas K
;  APPLICANT:  Shimkets, Richard A
;  APPLICANT:  Rastelli, Luca
;  APPLICANT:  Zerhusen, Bryan D
;  APPLICANT:  Mezes, Peter S
;  TITLE OF INVENTION: No. US20020068279A1el Proteins and Nucleic Acids Encoding the Sa
;  FILE REFERENCE: 15966-609
;  CURRENT APPLICATION NUMBER: US/09/730,617
;  CURRENT FILING DATE:  2000-12-05
;  PRIOR APPLICATION NUMBER: 60/169,056
;  PRIOR FILING DATE: 1999-12-06
;  PRIOR APPLICATION NUMBER: 60/169,886
;  PRIOR FILING DATE: 1999-12-09
;  PRIOR APPLICATION NUMBER: 60/169,866
;  PRIOR FILING DATE: 1999-12-09
;  PRIOR APPLICATION NUMBER: 60/170,252
;  PRIOR FILING DATE: 1999-12-10
;  PRIOR APPLICATION NUMBER: 60/175,740
;  PRIOR FILING DATE: 2000-01-12
;  NUMBER OF SEQ ID NOS: 100
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 100
;    LENGTH: 19
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence:  chemically
;    OTHER INFORMATION: synthesized
US-09-730-617-100

  Query Match             0.6%;  Score 13;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 9.4e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1506 GGCCTGAATGGAC 1518
              |||||||||||||
Db          2 GGCCTGAATGGAC 14


RESULT 1579
US-10-251-117-188
; Sequence 188, Application US/10251117
; Publication No. US20030170891A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
```

```
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor R
;  TITLE OF INVENTION:  Gene Expression Using Short Interfering RNA
;  FILE REFERENCE: 900/042 (MBHB02-468-A)
;  CURRENT APPLICATION NUMBER: US/10/251,117
;  CURRENT FILING DATE:  2003-02-24
;  PRIOR APPLICATION NUMBER: US 60/393,924
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: US 10/163,552
;  PRIOR FILING DATE: 2002-06-06
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 09/916,466
;  PRIOR FILING DATE: 2001-07-25
;  PRIOR APPLICATION NUMBER: US 60/296,249
;  PRIOR FILING DATE: 2001-06-06
;  NUMBER OF SEQ ID NOS: 1213
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 188
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense r
US-10-251-117-188

  Query Match             0.6%;  Score 13;  DB 1;  Length 19;
  Best Local Similarity   84.6%;  Pred. No. 9.4e+02;
  Matches   11;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1330 TCTGAAGAGGAGG 1342
              :|:|||||||||||
Db          4 UCUGAAGAGGAGG 16


RESULT 1580
US-10-251-117-437/c
; Sequence 437, Application US/10251117
; Publication No. US20030170891A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor R
;  TITLE OF INVENTION:  Gene Expression Using Short Interfering RNA
;  FILE REFERENCE: 900/042 (MBHB02-468-A)
;  CURRENT APPLICATION NUMBER: US/10/251,117
;  CURRENT FILING DATE:  2003-02-24
;  PRIOR APPLICATION NUMBER: US 60/393,924
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: US 10/163,552
;  PRIOR FILING DATE: 2002-06-06
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 09/916,466
;  PRIOR FILING DATE: 2001-07-25
;  PRIOR APPLICATION NUMBER: US 60/296,249
;  PRIOR FILING DATE: 2001-06-06
;  NUMBER OF SEQ ID NOS: 1213
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 437
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
JS-10-251-117-437

  Query Match             0.6%;  Score 13;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 9.4e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1330 TCTGAAGAGGAGG 1342
              |||||||||||||
Db         16 TCTGAAGAGGAGG 4


RESULT 1581
US-10-205-309-121
; Sequence 121, Application US/10205309
; Publication No. US20030190635A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Alzheimer's Disease Usi
;  TITLE OF INVENTION:  Interfering RNA
;  FILE REFERENCE: 900/033
;  CURRENT APPLICATION NUMBER: US/10/205,309
;  CURRENT FILING DATE:  2002-10-25
;  NUMBER OF SEQ ID NOS: 674
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 121
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense
US-10-205-309-121

  Query Match             0.6%;  Score 13;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 9.4e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1426 GAGAAGAAAGAAG 1438
              |||||||||||||
Db          1 GAGAAGAAAGAAG 13


RESULT 1582
US-10-205-309-446/c
; Sequence 446, Application US/10205309
; Publication No. US20030190635A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Alzheimer's Disease Usir
;  TITLE OF INVENTION:  Interfering RNA
;  FILE REFERENCE: 900/033
;  CURRENT APPLICATION NUMBER: US/10/205,309
;  CURRENT FILING DATE:  2002-10-25
;  NUMBER OF SEQ ID NOS: 674
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 446
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
US-10-205-309-446

  Query Match             0.6%;  Score 13;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 9.4e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1426 GAGAAGAAAGAAG 1438
              |||||||||||||
Db         19 GAGAAGAAAGAAG 7


RESULT 1583
US-10-349-143-5976/c
; Sequence 5976, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
```

```
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 5976
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-8173 for SEQ 2042,
US-10-349-143-5976

  Query Match             0.6%;  Score 13;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 9.4e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1384 AAGAGAGTCAAAA 1396
             |||||||||||||
Db         15 AAGAGAGTCAAAA 3


RESULT 1584
US-10-349-143-7292
; Sequence 7292, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 7292
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-3479 for SEQ 3358,
US-10-349-143-7292

  Query Match             0.6%;  Score 13;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 9.4e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        209 GAAAAATGGAAAT 221
              |||||||||||||
Db          2 GAAAAATGGAAAT 14


RESULT 1585
US-10-349-143-7382
; Sequence 7382, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT:  Blumenfeld, Marta
;  APPLICANT:  Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/10/349,143
;  CURRENT FILING DATE:  2003-01-21
;  PRIOR APPLICATION NUMBER: US/09/422,978
;  PRIOR FILING DATE: 1999-10-20
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 7382
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-4182 for SEQ 3448,
US-10-349-143-7382

  Query Match             0.6%;  Score 13;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 9.4e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1376 AAAAAGCCAAGAG 1388
              |||||||||||||
Db          2 AAAAAGCCAAGAG 14


RESULT 1586
US-10-444-795B-150
; Sequence 150, Application US/10444795B
; Publication No. US20040077574A1
; GENERAL INFORMATION:
;  APPLICANT: Klinghoffer, Richard
;  APPLICANT:  Lewis, Stephen Patrick
;  TITLE OF INVENTION: MODULATION OF BIOLOGICAL SIGNAL
;  TITLE OF INVENTION:  TRANSDUCTION BY RNA INTERFERENCE
;  FILE REFERENCE: 200125.449
;  CURRENT APPLICATION NUMBER: US/10/444,795B
;  CURRENT FILING DATE:  2003-05-23
;  NUMBER OF SEQ ID NOS: 842
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 150
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Small interfering RNA - Prl3.3
US-10-444-795B-150

  Query Match             0.6%;  Score 13;  DB 1;  Length 19;
  Best Local Similarity   92.3%;  Pred. No. 9.4e+02;
  Matches   12;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1219 GAGGACGCCATCC 1231
              ||||||||||:||
Db          5 GAGGACGCCAUCC 17


RESULT 1587
US-10-444-795B-151/c
; Sequence 151, Application US/10444795B
; Publication No. US20040077574A1
```

```
; GENERAL INFORMATION:
;  APPLICANT: Klinghoffer, Richard
;  APPLICANT:  Lewis, Stephen Patrick
;  TITLE OF INVENTION: MODULATION OF BIOLOGICAL SIGNAL
;  TITLE OF INVENTION:  TRANSDUCTION BY RNA INTERFERENCE
;  FILE REFERENCE: 200125.449
;  CURRENT APPLICATION NUMBER: US/10/444,795B
;  CURRENT FILING DATE:  2003-05-23
;  NUMBER OF SEQ ID NOS: 842
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 151
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Small interfering RNA - Prl3.3
US-10-444-795B-151

  Query Match             0.6%;  Score 13;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 9.4e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1219 GAGGACGCCATCC 1231
              |||||||||||||
Db         15 GAGGACGCCATCC 3


RESULT 1588
US-09-752-639-33/c
; Sequence 33, Application US/09752639
; Patent No. US20020091243A1
;  GENERAL INFORMATION:
;    APPLICANT:  Gatanaga, T.
;    APPLICANT:  Granger, G.A.
;    TITLE OF INVENTION:  Factors Altering Tumor Necrosis
;    TITLE OF INVENTION:  Factor Receptor Releasing Enzyme Activity, and Methods
;    TITLE OF INVENTION:  of Use Thereof
;    NUMBER OF SEQUENCES:  154
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 PAGE MILL ROAD
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Windows
;      SOFTWARE:  FastSEQ for Windows Version 2.0b
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/752,639
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US99/10793
;      FILING DATE:
;      APPLICATION NUMBER:  09/081,385
;      FILING DATE:
;      APPLICATION NUMBER:  08/964,747
;      FILING DATE:  05-NOV-1997
;      APPLICATION NUMBER:  60/030,761
;      FILING DATE:  06-NOV-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Wu, Frank
;      REGISTRATION NUMBER:  41,386
;      REFERENCE/DOCKET NUMBER:  22000-20577.21
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-813-5600
;      TELEFAX:  650-494-0792
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-752-639-33

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1005 TGAGACAGCTGTG 1017
              |||||||||||||
Db         13 TGAGACAGCTGTG 1


RESULT 1589
US-09-984-198-33/c
; Sequence 33, Application US/09984198
; Patent No. US20020106679A1
;  GENERAL INFORMATION:
;    APPLICANT:  Gatanaga, T.
;    APPLICANT:  Granger, G.A.
;    TITLE OF INVENTION:  Factors Altering Tumor Necrosis
;    TITLE OF INVENTION:  Factor Receptor Releasing Enzyme Activity, and Methods
;    TITLE OF INVENTION:  of Use Thereof
;    NUMBER OF SEQUENCES:  154
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 PAGE MILL ROAD
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Windows
;      SOFTWARE:  FastSEQ for Windows Version 2.0b
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/984,198
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US99/10793
;      FILING DATE:
;      APPLICATION NUMBER:  09/081,385
;      FILING DATE:
;      APPLICATION NUMBER:  08/964,747
;      FILING DATE:  05-NOV-1997
;      APPLICATION NUMBER:  60/030,761
;      FILING DATE:  06-NOV-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Wu, Frank
;      REGISTRATION NUMBER:  41,386
;      REFERENCE/DOCKET NUMBER:  22000-20577.21
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-813-5600
;      TELEFAX:  650-494-0792
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-984-198-33

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1005 TGAGACAGCTGTG 1017
              |||||||||||||
```

```
Db         13 TGAGACAGCTGTG 1


RESULT 1590
US-10-335-977-9870
; Sequence 9870, Application US/10335977
; Publication No. US20040052799A1
;   GENERAL INFORMATION:
;        APPLICANT: DOUGLAS SMITH et al
;        TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
;                            RELATING TO HELICOBACTER PYLORI FOR
;                            DIAGNOSTICS AND THERAPEUTICS
;        NUMBER OF SEQUENCES: 10031
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: LAHIVE & COCKFIELD
;             STREET: 28 State Street
;             CITY: Boston
;             STATE: Massachusetts
;             COUNTRY: USA
;             ZIP: 02109-1875
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: CD/ROM ISO9660
;             COMPUTER: IBM PC Compatible
;             OPERATING SYSTEM: Windows NT 4.0
;             SOFTWARE: UNIX
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/335,977
;             FILING DATE: 30-Dec-2002
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/993,002
;             FILING DATE: 17-DEC-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Mandragouras, Amy E.
;             REGISTRATION NUMBER: 36,207
;             REFERENCE/DOCKET NUMBER: GTN-018
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (617)227-7400
;             TELEFAX: (617)742-4214
;   INFORMATION FOR SEQ ID NO: 9870:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: double
;             TOPOLOGY: circular
;        MOLECULE TYPE: DNA (genomic)
;        HYPOTHETICAL: NO
;        ANTI-SENSE: NO
;        ORIGINAL SOURCE:
;             ORGANISM: Helicobacter pylori
;        FEATURE:
;             NAME/KEY:  misc_feature
;             LOCATION: (B) LOCATION 1...20
;        SEQUENCE DESCRIPTION: SEQ ID NO: 9870:
US-10-335-977-9870

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1907 ATCAGCCATTTTT 1919
              |||||||||||||
Db          7 ATCAGCCATTTTT 19


RESULT 1591
US-10-380-124-45/c
; Sequence 45, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
;  APPLICANT: Isis Pharmaceuticals, Inc.
;  APPLICANT:  Brett P. Monia
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
;  FILE REFERENCE: RTS-0156
;  CURRENT APPLICATION NUMBER: US/10/380,124
;  CURRENT FILING DATE:  2003-03-10
;  NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 45
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-45

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1681 AGCTCTTCCAGGA 1693
              |||||||||||||
Db         20 AGCTCTTCCAGGA 8


RESULT 1592
US-09-923-517-129
; Sequence 129, Application US/09923517
; Publication No. US20020039741A1
;   GENERAL INFORMATION:
;        APPLICANT: Nicholas M. Dean; Robert A. McKay; Loren J.
;                   Miraglia; Brenda F. Baker
;        TITLE OF INVENTION: Antisense Oligonucleotide
;                            Compositions and Methods for the Modulation of
;                            Activating Protein 1
;        NUMBER OF SEQUENCES: 139
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Law Offices of Jane Massey Licata
;             STREET: 66 East Main Street
;             CITY: Marlton
;             STATE: NJ
;             COUNTRY: USA
;             ZIP: 08053
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
;             COMPUTER: IBM PS/2
;             OPERATING SYSTEM: WINDOWS 95
;             SOFTWARE: WORDPERFECT 6.1
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/923,517
;             FILING DATE: 07-Aug-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/364,416
;             FILING DATE: 1999-07-30
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Jane Massey Licata
;             REGISTRATION NUMBER: 32,257
;             REFERENCE/DOCKET NUMBER: ISPH-0209
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (609) 810-1515
;             TELEFAX: (609) 810-1454
;   INFORMATION FOR SEQ ID NO: 129:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20
;             TYPE: Nucleic Acid
;             STRANDEDNESS: Single
;             TOPOLOGY: Linear
;        ANTI-SENSE: Yes
;        SEQUENCE DESCRIPTION: SEQ ID NO: 129:
US-09-923-517-129

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1619 AAATATAAATATC 1631
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                    ||||||||||||||
Db          1 AAATATAAATATC 13


RESULT 1593
US-09-923-517-137
; Sequence 137, Application US/09923517
; Publication No. US20020039741A1
;   GENERAL INFORMATION:
;        APPLICANT: Nicholas M. Dean; Robert A. McKay; Loren J.
;                   Miraglia; Brenda F. Baker
;        TITLE OF INVENTION: Antisense Oligonucleotide
;                            Compositions and Methods for the Modulation of
;                            Activating Protein 1
;        NUMBER OF SEQUENCES: 139
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Law Offices of Jane Massey Licata
;             STREET: 66 East Main Street
;             CITY: Marlton
;             STATE: NJ
;             COUNTRY: USA
;             ZIP: 08053
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
;             COMPUTER: IBM PS/2
;             OPERATING SYSTEM: WINDOWS 95
;             SOFTWARE: WORDPERFECT 6.1
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/923,517
;             FILING DATE: 07-Aug-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/364,416
;             FILING DATE: 1999-07-30
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Jane Massey Licata
;             REGISTRATION NUMBER: 32,257
;             REFERENCE/DOCKET NUMBER: ISPH-0209
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (609) 810-1515
;             TELEFAX: (609) 810-1454
;   INFORMATION FOR SEQ ID NO: 137:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20
;             TYPE: Nucleic Acid
;             STRANDEDNESS: Single
;             TOPOLOGY: Linear
;        ANTI-SENSE: Yes
;        SEQUENCE DESCRIPTION: SEQ ID NO: 137:
US-09-923-517-137

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1619 AAATATAAATATC 1631
                ||||||||||||||
Db          1 AAATATAAATATC 13


RESULT 1594
US-10-060-301-87/c
; Sequence 87, Application US/10060301
; Publication No. US20020182622A1
; GENERAL INFORMATION:
;  APPLICANT: NAKAMURA, Yusuke  et al.
;  TITLE OF INVENTION: A METHOD FOR SNP (SINGLE NUCLEOTIDE POLYMORPHISM) TYPING
;  FILE REFERENCE: 1254-0195p
;  CURRENT APPLICATION NUMBER: US/10/060,301
;  CURRENT FILING DATE:  2002-02-01
;  PRIOR APPLICATION NUMBER: JP 2001-25700
;  PRIOR FILING DATE: 2001-02-01
;  NUMBER OF SEQ ID NOS: 200
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 87
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: Forward Primer for SNP ID 44
US-10-060-301-87

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1858 TGGCTGGGTCTTC 1870
                ||||||||||||||
Db         15 TGGCTGGGTCTTC 3


RESULT 1595
US-10-060-301-89/c
; Sequence 89, Application US/10060301
; Publication No. US20020182622A1
; GENERAL INFORMATION:
;  APPLICANT: NAKAMURA, Yusuke  et al.
;  TITLE OF INVENTION: A METHOD FOR SNP (SINGLE NUCLEOTIDE POLYMORPHISM) TYPING
;  FILE REFERENCE: 1254-0195p
;  CURRENT APPLICATION NUMBER: US/10/060,301
;  CURRENT FILING DATE:  2002-02-01
;  PRIOR APPLICATION NUMBER: JP 2001-25700
;  PRIOR FILING DATE: 2001-02-01
;  NUMBER OF SEQ ID NOS: 200
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 89
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: Forward Primer for SNP ID 45
US-10-060-301-89

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1858 TGGCTGGGTCTTC 1870
                ||||||||||||||
Db         15 TGGCTGGGTCTTC 3


RESULT 1596
US-10-222-334-22
; Sequence 22, Application US/10222334
; Publication No. US20030073116A1
; GENERAL INFORMATION:
;  APPLICANT: Ginsburg, David
;  APPLICANT:  Levy, Gallia
;  APPLICANT:  Tsai, Han-Mou
;  TITLE OF INVENTION: ADAMTS13 Genes and Proteins and Variants, and Uses Thereof
;  FILE REFERENCE: UM-07288
;  CURRENT APPLICATION NUMBER: US/10/222,334
;  CURRENT FILING DATE:  2002-08-16
;  PRIOR APPLICATION NUMBER: 60/312,834
;  PRIOR FILING DATE: 2001-08-16
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 22
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
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US-10-222-334-22

Query Match 0.6%; Score 13; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1518 CCTCTCCAGCTCT 1530
||||||||||||
Db 2 CCTCTCCAGCTCT 14

RESULT 1597
US-10-053-192-8
; Sequence 8, Application US/10053192
; Publication No. US20030087336A1
; GENERAL INFORMATION:
; APPLICANT: BACHMANN, Heinrich
; APPLICANT: BRUGGER, Roland
; APPLICANT: FRIEDLEIN, Arno M
; APPLICANT: WIRTZ, Gabriele M
; APPLICANT: WOGGON, Wolf-Dietrich
; APPLICANT: WYSS, Adrian
; APPLICANT: WYSS, Markus
; TITLE OF INVENTION: BETA,BETA-CAROTENE 15,15'-DIOXYGENASES, NUCLEIC ACID
; TITLE OF INVENTION: SEQUENCES CODING THEREFOR AND THEIR USE
; FILE REFERENCE: B,B-CAROTENE 15,15'-DIOXYGENASES,...
; CURRENT APPLICATION NUMBER: US/10/053,192
; CURRENT FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 103382.0
; PRIOR FILING DATE: 1999-02-22
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
; NAME/KEY: modified_base
; LOCATION: (18)
; OTHER INFORMATION: i
US-10-053-192-8

Query Match 0.6%; Score 13; DB 1; Length 20;
Best Local Similarity 65.0%; Pred. No. 1e+03;
Matches 13; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1456 ACCAAGGAGGAGAAGCCAGA 1475
| |||:||:||: | || ||
Db 1 AACAARGARGASCAYCCNGA 20

RESULT 1598
US-10-271-887-57
; Sequence 57, Application US/10271887
; Publication No. US20030087871A1
; GENERAL INFORMATION:
; APPLICANT: Hong Zhang
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 9 EXPRESSION
; FILE REFERENCE: RTS-0183
; CURRENT APPLICATION NUMBER: US/10/271,887
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US/09/659,845A
; PRIOR FILING DATE: 2001-07-23
; NUMBER OF SEQ ID NOS: 174
; SEQ ID NO 57
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-271-887-57

Query Match 0.6%; Score 13; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1401 GGATGAAAAAGAG 1413
||||||||||||
Db 6 GGATGAAAAAGAG 18

RESULT 1599
US-10-007-078-82/c
; Sequence 82, Application US/10007078
; Publication No. US20030105042A1
; GENERAL INFORMATION:
; APPLICANT: Donna T. Ward
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF EIF2C1 EXPRESSION
; FILE REFERENCE: RTS-0236
; CURRENT APPLICATION NUMBER: US/10/007,078
; CURRENT FILING DATE: 2001-11-08
; NUMBER OF SEQ ID NOS: 88
; SEQ ID NO 82
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-007-078-82

Query Match 0.6%; Score 13; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1595 TGTGTATTTATAT 1607
||||||||||||
Db 14 TGTGTATTTATAT 2

RESULT 1600
US-10-430-196-129
; Sequence 129, Application US/10430196
; Publication No. US20030194738A1
; GENERAL INFORMATION:
; APPLICANT: Nicholas M. Dean; Robert A. McKay; Loren J.
; Miraglia; Brenda F. Baker
; TITLE OF INVENTION: Antisense Oligonucleotide
; Compositions and Methods for the Modulation of
; Activating Protein 1
; NUMBER OF SEQUENCES: 139
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Law Offices of Jane Massey Licata
; STREET: 66 East Main Street
; CITY: Marlton
; STATE: NJ
; COUNTRY: USA
; ZIP: 08053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: WINDOWS 95
; SOFTWARE: WORDPERFECT 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/430,196
; FILING DATE: 05-May-2003
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/923,517A
; FILING DATE: 07-Aug-2001
; APPLICATION NUMBER: 09/364,416
; FILING DATE: 1999-07-30
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata

```
;             REGISTRATION NUMBER: 32,257
;             REFERENCE/DOCKET NUMBER: ISPH-0209
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (609) 810-1515
;             TELEFAX: (609) 810-1454
;    INFORMATION FOR SEQ ID NO: 129:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20
;             TYPE: Nucleic Acid
;             STRANDEDNESS: Single
;             TOPOLOGY: Linear
;        ANTI-SENSE: Yes
;        SEQUENCE DESCRIPTION: SEQ ID NO: 129:
US-10-430-196-129

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1619 AAATATAAATATC 1631
              |||||||||||||
Db          1 AAATATAAATATC 13


RESULT 1601
US-10-430-196-137
; Sequence 137, Application US/10430196
; Publication No. US20030194738A1
;   GENERAL INFORMATION:
;        APPLICANT: Nicholas M. Dean; Robert A. McKay; Loren J.
;                   Miraglia; Brenda F. Baker
;        TITLE OF INVENTION: Antisense Oligonucleotide
;                            Compositions and Methods for the Modulation of
;                            Activating Protein 1
;        NUMBER OF SEQUENCES: 139
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Law Offices of Jane Massey Licata
;             STREET: 66 East Main Street
;             CITY: Marlton
;             STATE: NJ
;             COUNTRY: USA
;             ZIP: 08053
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
;             COMPUTER: IBM PS/2
;             OPERATING SYSTEM: WINDOWS 95
;             SOFTWARE: WORDPERFECT 6.1
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/430,196
;             FILING DATE: 05-May-2003
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/09/923,517A
;             FILING DATE: 07-Aug-2001
;             APPLICATION NUMBER: 09/364,416
;             FILING DATE: 1999-07-30
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Jane Massey Licata
;             REGISTRATION NUMBER: 32,257
;             REFERENCE/DOCKET NUMBER: ISPH-0209
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (609) 810-1515
;             TELEFAX: (609) 810-1454
;    INFORMATION FOR SEQ ID NO: 137:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20
;             TYPE: Nucleic Acid
;             STRANDEDNESS: Single
;             TOPOLOGY: Linear
;        ANTI-SENSE: Yes
;        SEQUENCE DESCRIPTION: SEQ ID NO: 137:
JS-10-430-196-137

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1619 AAATATAAATATC 1631
              |||||||||||||
Db          1 AAATATAAATATC 13


RESULT 1602
US-10-005-344-351
; Sequence 351, Application US/10005344
; Publication No. US20030203862A1
; GENERAL INFORMATION:
;  APPLICANT: Loren J. Miraglia
;  APPLICANT:  Pamela Nero
;  APPLICANT:  Mark J. Graham
;  APPLICANT:  Brett P. Monia
;  APPLICANT:  Erich Koller
;  APPLICANT:  MingYi Chiang
;  APPLICANT:  Mano Manoharan
;  TITLE OF INVENTION: Antisense Modulation of mdm2 expression.
;  FILE REFERENCE: ISPH-0622
;  CURRENT APPLICATION NUMBER: US/10/005,344
;  CURRENT FILING DATE:  2001-12-04
;  PRIOR APPLICATION NUMBER: US 09/048,810
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: US 09/280,805
;  PRIOR FILING DATE: 1999-03-26
;  NUMBER OF SEQ ID NOS: 379
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 351
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-005-344-351

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1909 CAGCCATTTTTAG 1921
              |||||||||||||
Db          1 CAGCCATTTTTAG 13


RESULT 1603
US-10-175-239-14/c
; Sequence 14, Application US/10175239
; Publication No. US20030232774A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PROFILIN 1 EXPRESSION
;  FILE REFERENCE: HTS-0017
;  CURRENT APPLICATION NUMBER: US/10/175,239
;  CURRENT FILING DATE:  2002-06-17
;  NUMBER OF SEQ ID NOS: 79
; SEQ ID NO 14
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-175-239-14

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        466 TGGGCTGGGGGCC 478
```

```
                    ||||||||||||
Db          14 TGGGCTGGGGGCC 2


RESULT 1604
US-10-175-239-35/c
; Sequence 35, Application US/10175239
; Publication No. US20030232774A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PROFILIN 1 EXPRESSION
;  FILE REFERENCE: HTS-0017
;  CURRENT APPLICATION NUMBER: US/10/175,239
;  CURRENT FILING DATE:  2002-06-17
;  NUMBER OF SEQ ID NOS: 79
; SEQ ID NO 35
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-175-239-35

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        466 TGGGCTGGGGGCC 478
                ||||||||||||
Db         13 TGGGCTGGGGGCC 1


RESULT 1605
US-10-175-239-51
; Sequence 51, Application US/10175239
; Publication No. US20030232774A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PROFILIN 1 EXPRESSION
;  FILE REFERENCE: HTS-0017
;  CURRENT APPLICATION NUMBER: US/10/175,239
;  CURRENT FILING DATE:  2002-06-17
;  NUMBER OF SEQ ID NOS: 79
; SEQ ID NO 51
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-175-239-51

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        466 TGGGCTGGGGGCC 478
                ||||||||||||
Db          7 TGGGCTGGGGGCC 19


RESULT 1606
US-10-175-239-70
; Sequence 70, Application US/10175239
; Publication No. US20030232774A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PROFILIN 1 EXPRESSION
;  FILE REFERENCE: HTS-0017
;  CURRENT APPLICATION NUMBER: US/10/175,239
;  CURRENT FILING DATE:  2002-06-17
;  NUMBER OF SEQ ID NOS: 79
; SEQ ID NO 70
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-175-239-70

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        466 TGGGCTGGGGGCC 478
                ||||||||||||
Db          8 TGGGCTGGGGGCC 20


RESULT 1607
US-10-435-696-250/c
; Sequence 250, Application US/10435696
; Publication No. US20040018525A1
; GENERAL INFORMATION:
;  APPLICANT: Wirtz, Ralph
;  APPLICANT:  Munnes, Marc
;  APPLICANT:  Kallabis, Harald
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE PREDICTION, DIAGNOSIS, PROGNOSI
;  TITLE OF INVENTION:  PREVENTION AND TREATMENT OF MALIGNANT NEOPLASIA
;  FILE REFERENCE: LeA 36 108
;  CURRENT APPLICATION NUMBER: US/10/435,696
;  CURRENT FILING DATE:  2003-05-09
;  PRIOR APPLICATION NUMBER: EP03003112.4
;  PRIOR FILING DATE: 2003-02-13
;  PRIOR APPLICATION NUMBER: EP02010291.9
;  PRIOR FILING DATE: 2002-05-21
;  NUMBER OF SEQ ID NOS: 314
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 250
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: D17S1655 reverse primer
US-10-435-696-250

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        566 AGAGGGTGCTGTA 578
                ||||||||||||
Db         16 AGAGGGTGCTGTA 4


RESULT 1608
US-10-211-179-79/c
; Sequence 79, Application US/10211179
; Publication No. US20040023906A1
; GENERAL INFORMATION:
;  APPLICANT: Nicholas M. Dean
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOTYROSYL PHOSPHATASE ACTIVATOR EXF
;  FILE REFERENCE: PTS-0011
;  CURRENT APPLICATION NUMBER: US/10/211,179
;  CURRENT FILING DATE:  2002-08-01
;  NUMBER OF SEQ ID NOS: 119
; SEQ ID NO 79
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-211-179-79

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
```

```
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1489 AAGGAGGAGGTCA 1501
              |||||||||||||
Db         18 AAGGAGGAGGTCA 6


RESULT 1609
US-10-272-727-82/c
; Sequence 82, Application US/10272727
; Publication No. US20040077567A1
; GENERAL INFORMATION:
;  APPLICANT: Andrew T. Watt
;  APPLICANT:  Randy Lane Bell
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CD36 EXPRESSION
;  FILE REFERENCE: RTS-0261
;  CURRENT APPLICATION NUMBER: US/10/272,727
;  CURRENT FILING DATE:  2002-10-16
;  NUMBER OF SEQ ID NOS: 102
; SEQ ID NO 82
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-272-727-82

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         96 CTGTTACTACTAC 108
              |||||||||||||
Db         20 CTGTTACTACTAC 8


RESULT 1610
US-10-272-811-82/c
; Sequence 82, Application US/10272811
; Publication No. US20040076621A1
; GENERAL INFORMATION:
;  APPLICANT: Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CD36 EXPRESSION
;  FILE REFERENCE: RTS-0162
;  CURRENT APPLICATION NUMBER: US/10/272,811
;  CURRENT FILING DATE:  2002-10-16
;  NUMBER OF SEQ ID NOS: 102
; SEQ ID NO 82
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-272-811-82

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         96 CTGTTACTACTAC 108
              |||||||||||||
Db         20 CTGTTACTACTAC 8


RESULT 1611
US-10-274-311-82/c
  Sequence 82, Application US/10274311
  Publication No. US20040077571A1
  GENERAL INFORMATION:
   APPLICANT: Susan M. Freier
;  APPLICANT:  Aparna Sarthy
;  APPLICANT:  Thomas McGonigal
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CDC14A EXPRESSION
;  FILE REFERENCE: RTS-0262
;  CURRENT APPLICATION NUMBER: US/10/274,311
;  CURRENT FILING DATE:  2002-10-17
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 82
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-274-311-82

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        422 GTGCTGTGAAACT 434
              |||||||||||||
Db         15 GTGCTGTGAAACT 3


RESULT 1612
US-10-274-387-82/c
; Sequence 82, Application US/10274387
; Publication No. US20040077085A1
; GENERAL INFORMATION:
;  APPLICANT: Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CDC14A EXPRESSION
;  FILE REFERENCE: RTS-0172
;  CURRENT APPLICATION NUMBER: US/10/274,387
;  CURRENT FILING DATE:  2002-10-17
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 82
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-274-387-82

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        422 GTGCTGTGAAACT 434
              |||||||||||||
Db         15 GTGCTGTGAAACT 3


RESULT 1613
US-10-316-389-75
; Sequence 75, Application US/10316389
; Publication No. US20040110699A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF ABCC2 EXPRESSION
;  FILE REFERENCE: RTS-0382
;  CURRENT APPLICATION NUMBER: US/10/316,389
;  CURRENT FILING DATE:  2002-12-10
;  NUMBER OF SEQ ID NOS: 143
; SEQ ID NO 75
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-316-389-75

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
```

```
Qy       1327 GATTCTGAAGAGG 1339
              |||||||||||||
Db          1 GATTCTGAAGAGG 13


RESULT 1614
US-10-317-271A-64/c
; Sequence 64, Application US/10317271A
; Publication No. US20040110156A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF NRF EXPRESSION
;  FILE REFERENCE: RTS-0456
;  CURRENT APPLICATION NUMBER: US/10/317,271A
;  CURRENT FILING DATE:  2002-12-10
;  NUMBER OF SEQ ID NOS: 160
; SEQ ID NO 64
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-317-271A-64

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1567 CCCTCAGATTTTA 1579
              |||||||||||||
Db         19 CCCTCAGATTTTA 7


RESULT 1615
US-10-317-271A-140
; Sequence 140, Application US/10317271A
; Publication No. US20040110156A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF NRF EXPRESSION
;  FILE REFERENCE: RTS-0456
;  CURRENT APPLICATION NUMBER: US/10/317,271A
;  CURRENT FILING DATE:  2002-12-10
;  NUMBER OF SEQ ID NOS: 160
; SEQ ID NO 140
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
US-10-317-271A-140

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1567 CCCTCAGATTTTA 1579
              |||||||||||||
Db          2 CCCTCAGATTTTA 14


RESULT 1616
US-10-317-500-145
; Sequence 145, Application US/10317500
; Publication No. US20040115637A1
; GENERAL INFORMATION:
;  APPLICANT: Robert McKay
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF PPAR-ALPHA EXPRESSION
;  FILE REFERENCE: RTS-0380
;  CURRENT APPLICATION NUMBER: US/10/317,500
;  CURRENT FILING DATE:  2002-12-11
;  NUMBER OF SEQ ID NOS: 276
; SEQ ID NO 145
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-317-500-145

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2003 TCTGCAGGTGGAG 2015
              |||||||||||||
Db          8 TCTGCAGGTGGAG 20


RESULT 1617
US-10-317-500-260/c
; Sequence 260, Application US/10317500
; Publication No. US20040115637A1
; GENERAL INFORMATION:
;  APPLICANT: Robert McKay
;  APPLICANT:  Kenneth W. Dobie
;  TITLE OF INVENTION: MODULATION OF PPAR-ALPHA EXPRESSION
;  FILE REFERENCE: RTS-0380
;  CURRENT APPLICATION NUMBER: US/10/317,500
;  CURRENT FILING DATE:  2002-12-11
;  NUMBER OF SEQ ID NOS: 276
; SEQ ID NO 260
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: M. musculus
;   FEATURE:
US-10-317-500-260

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2003 TCTGCAGGTGGAG 2015
              |||||||||||||
Db         13 TCTGCAGGTGGAG 1


RESULT 1618
US-10-671-395-1102/c
; Sequence 1102, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
;  APPLICANT: Pharmacia Corp.
;  APPLICANT:  Gierse, James K
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: 1179/1/US
;  CURRENT APPLICATION NUMBER: US/10/671,395
;  CURRENT FILING DATE:  2003-09-25
;  PRIOR APPLICATION NUMBER: 60/413,549
;  PRIOR FILING DATE: 2002-09-25
;  NUMBER OF SEQ ID NOS: 1809
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1102
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial
;   FEATURE:
;   OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-1102

  Query Match             0.6%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1948 CTGGCCTCAAGTG 1960
```

```
                ||||||||||||||
Db          13 CTGGCCTCAAGTG 1


RESULT 1619
US-09-758-881-44/c
; Sequence 44, Application US/09758881
; Patent No. US20010029250A1
; GENERAL INFORMATION:
;  APPLICANT:  Karras, James G
;  TITLE OF INVENTION:  Antisense Oligonucleotide Modulation of STAT3
;  TITLE OF INVENTION:  Expression
;  FILE REFERENCE:  ISPH-0532
;  CURRENT APPLICATION NUMBER: US/09/758,881
;  CURRENT FILING DATE:  2001-01-11
;  PRIOR APPLICATION NUMBER:  PCT/US00/09054
;  PRIOR FILING DATE:  2000-04-06
;  PRIOR APPLICATION NUMBER:  09/288,461
;  PRIOR FILING DATE:  1999-04-08
;  NUMBER OF SEQ ID NOS:  152
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 44
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-758-881-44

  Query Match             0.6%;  Score 12.8;  DB 1;  Length 20;
  Best Local Similarity   87.5%;  Pred. No. 1.1e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1796 AAATGCCAAGTGCCTG 1811
                | ||||||| ||||||
Db         20 AGATGCCAAATGCCTG 5


RESULT 1620
US-09-754-167-67
; Sequence 67, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 67
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-67

  Query Match             0.6%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 1.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1612 ATTTATTAAATATAAATAT 1630
                ||||| ||||| |  ||||
Db          2 ATTTAATAAATTTTTATAT 20


RESULT 1621
US-10-380-124-44
  Sequence 44, Application US/10380124
  Publication No. US20040053874A1
  GENERAL INFORMATION:
   APPLICANT: Isis Pharmaceuticals, Inc.
;  APPLICANT:  Brett P. Monia
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
;  FILE REFERENCE: RTS-0156
;  CURRENT APPLICATION NUMBER: US/10/380,124
;  CURRENT FILING DATE:  2003-03-10
;  NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 44
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-44

  Query Match             0.6%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 1.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1670 TGTGCTGGGTGAGCTCTTC 1688
                ||| ||||  |||||| ||
Db          1 TGTCCTGGAAGAGCTCGTC 19


RESULT 1622
US-10-144-488-18
; Sequence 18, Application US/10144488
; Publication No. US20030212017A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF FARNESYL TRANSFERASE BETA SUBUNIT EXPRES
;  FILE REFERENCE: RTS-0363
;  CURRENT APPLICATION NUMBER: US/10/144,488
;  CURRENT FILING DATE:  2002-05-10
;  NUMBER OF SEQ ID NOS: 80
; SEQ ID NO 18
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-144-488-18

  Query Match             0.6%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 1.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        366 AGTATTCGATGGCCTGTTT 384
                |||  |||| ||||| |||
Db          1 AGTTGTCGAAGGCCTCTTT 19


RESULT 1623
US-10-364-029-19/c
; Sequence 19, Application US/10364029
; Publication No. US20040005301A1
; GENERAL INFORMATION:
;  APPLICANT: Goldman, Steven A.
;  APPLICANT:  Keyoung, Hansoo Michael
;  TITLE OF INVENTION: IDENTIFICATION AND HIGH-YIELD ISOLATION OF HUMAN
;  TITLE OF INVENTION:  PANCREATIC ISLET PROGENITOR AND STEM CELLS
;  FILE REFERENCE: 19603/4081
;  CURRENT APPLICATION NUMBER: US/10/364,029
;  CURRENT FILING DATE:  2003-02-10
;  PRIOR APPLICATION NUMBER: 60/356,556
;  PRIOR FILING DATE: 2002-02-12
;  NUMBER OF SEQ ID NOS: 23
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
```

```
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: oligonucleotide primers
US-10-364-029-19

  Query Match             0.6%;  Score 12.6;  DB 1;  Length 21;
  Best Local Similarity   78.9%;  Pred. No. 1.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1339 GAGGGAGAGGGGGGCCGCA 1357
              |||| ||||| | || |||
Db         21 GAGGCAGAGGCGTGCGGCA 3


RESULT 1624
US-09-754-167-61
; Sequence 61, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
;  FILE REFERENCE: RTS-0140
;  CURRENT APPLICATION NUMBER: US/09/754,167
;  CURRENT FILING DATE:  2000-12-19
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 61
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-61

  Query Match             0.6%;  Score 12.4;  DB 1;  Length 20;
  Best Local Similarity   92.9%;  Pred. No. 1.2e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        501 GGCATCTGGCTTCT 514
              ||| ||||||||||
Db          3 GGCTTCTGGCTTCT 16


RESULT 1625
US-10-161-803-2
; Sequence 2, Application US/10161803
; Publication No. US20030092028A1
; GENERAL INFORMATION:
;  APPLICANT: Ma, Yuanhong
;  APPLICANT:  Lih, Chih-Jian
;  APPLICANT:  Chen, Fan
;  APPLICANT:  Fairman, Jeffery
;  APPLICANT:  Chen, Yii-Der I.
;  TITLE OF INVENTION: METHODS AND REAGENTS FOR DIAGNOSIS AND
;  TITLE OF INVENTION:  TREATMENT OF INSULIN RESISTANCE AND RELATED CONDITIONS
;  FILE REFERENCE: 421452000300
;  CURRENT APPLICATION NUMBER: US/10/161,803
;  CURRENT FILING DATE:  2002-06-03
;  PRIOR APPLICATION NUMBER: US 60/295,264
;  PRIOR FILING DATE: 2001-06-01
;  NUMBER OF SEQ ID NOS: 61
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Construct
US-10-161-803-2

  Query Match             0.6%;  Score 12.4;  DB 1;  Length 20;
  Best Local Similarity   92.9%;  Pred. No. 1.2e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1376 AAAAAGCCAAGAGA 1389
              |||||| |||||||
Db          2 AAAAAGGCAAGAGA 15


RESULT 1626
US-10-098-263B-129330/c
; Sequence 129330, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
;  APPLICANT: Mittman, Michael
;  TITLE OF INVENTION: Human Microarray
;  FILE REFERENCE: 3118.1
;  CURRENT APPLICATION NUMBER: US/10/098,263B
;  CURRENT FILING DATE:  2003-01-08
;  PRIOR APPLICATION NUMBER: 60/276,759
;  PRIOR FILING DATE: 2001-03-16
;  NUMBER OF SEQ ID NOS: 131066
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 129330
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-10-098-263B-129330

  Query Match             0.6%;  Score 12.4;  DB 1;  Length 25;
  Best Local Similarity   72.7%;  Pred. No. 1.5e+03;
  Matches   16;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       2051 TCATTTTTGTGAGCCTCTTTGT 2072
              || ||| ||    |||||||||
Db         23 TCCTTTGTGGTCTCCTCTTTGT 2


RESULT 1627
US-09-827-395A-723
; Sequence 723, Application US/09827395A
; Publication No. US20030113891A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Lawrence Blatt
;  APPLICANT:  James McSwiggen
;  APPLICANT:  Bharat Chowrira
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor
;  FILE REFERENCE: MBHB00-878-C (400/017)
;  CURRENT APPLICATION NUMBER: US/09/827,395A
;  CURRENT FILING DATE:  2001-04-05
;  PRIOR APPLICATION NUMBER: 09/780,533
;  PRIOR FILING DATE: 2001-02-09
;  PRIOR APPLICATION NUMBER: 60/181,797
;  PRIOR FILING DATE: 2000-02-11
;  NUMBER OF SEQ ID NOS: 2617
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 723
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-827-395A-723

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   76.5%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         58 AGCAAGATGGCGCAGAC 74
              ||| |||:| ||| |||
Db          1 AGCCAGAUGCCGCUGAC 17


RESULT 1628
US-10-430-882-723
; Sequence 723, Application US/10430882
; Publication No. US20030203870A1
```

```
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Lawrence Blatt
;  APPLICANT:  James McSwiggen
;  APPLICANT:  Bharat Chowrira
;  APPLICANT:  Peter Haeberli
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor G
;  FILE REFERENCE: MBHB00-878-H (400/112)
;  CURRENT APPLICATION NUMBER: US/10/430,882
;  CURRENT FILING DATE:  2003-05-06
;  PRIOR APPLICATION NUMBER: 09/827,395
;  PRIOR FILING DATE: 2001-04-05
;  PRIOR APPLICATION NUMBER: 09/780,533
;  PRIOR FILING DATE: 2001-02-09
;  PRIOR APPLICATION NUMBER: PCT/US01/04273
;  PRIOR FILING DATE: 2001-02-09
;  PRIOR APPLICATION NUMBER: 60/181,797
;  PRIOR FILING DATE: 2000-02-11
;  PRIOR APPLICATION NUMBER: PCT/US02/10512
;  PRIOR FILING DATE: 2002-04-03
;  NUMBER OF SEQ ID NOS: 2617
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 723
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-430-882-723

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   76.5%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         58 AGCAAGATGGCGCAGAC 74
              ||| |||:| ||| |||
Db          1 AGCCAGAUGCCGCUGAC 17


RESULT 1629
US-09-866-108-973
; Sequence 973, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 973
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-973

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 1.1e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1649 AGGCCCCGAGCTCAGGG 1665
              ||||||| ||| || ||
Db          1 AGGCCCCAAGCCCAAGG 17


RESULT 1630
US-10-723-361-973
; Sequence 973, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART A
;  FILE REFERENCE: PB0105
;  CURRENT APPLICATION NUMBER: US/10/723,361
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: US 09/866,108
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 973
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-723-361-973

  Query Match             0.6%;  Score 12.2;  DB 1;  Length 17;
```

Best Local Similarity 82.4%; Pred. No. 1.1e+03;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1649 AGGCCCCGAGCTCAGGG 1665
              ||||||| ||| || ||
Db          1 AGGCCCCAAGCCCAAGG 17
```

RESULT 1631
US-10-138-674-2782/c
; Sequence 2782, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2782
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Mus musculus
US-10-138-674-2782

Query Match 0.6%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 1.1e+03;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy        208 CGAAAAATGGAAATCTA 224
              | ||||||| ||||| |
Db         17 CCAAAAATGAAAATCAA 1
```

RESULT 1632
US-10-287-949A-2782/c
; Sequence 2782, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2782
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Mus musculus
US-10-287-949A-2782

Query Match 0.6%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 1.1e+03;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Qy        208 CGAAAAATGGAAATCTA 224
              | ||||||| ||||| |
Db         17 CCAAAAATGAAAATCAA 1
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Search completed: September 10, 2004, 11:48:07

Job time : 45 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 10, 2004, 11:53:01 ; Search time 1 Seconds
(without alignments)
5.708 Million cell updates/sec

Title: us-09-745-167a-3
Perfect score: 2091
Sequence: 1 gagcggagccgcgggcggga.....taataaaatggtacatttct 2091

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 0.5

Searched: 71 seqs, 1365 residues

Total number of hits satisfying chosen parameters: 142

Minimum DB seq length: 8
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 53 summaries

Database : rst3.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
c	1	24	1.1	32	1	AZ799831	ACCESSION:AZ799831
	2	19.4	0.9	22	1	AA921198	ACCESSION:AA921198
	3	17	0.8	25	1	BH789641	ACCESSION:BH789641
	4	16.4	0.8	25	1	CG716321	ACCESSION:CG716321
c	5	15.6	0.7	23	1	AZ327346	ACCESSION:AZ327346
	6	15.6	0.7	23	1	AZ345476	ACCESSION:AZ345476
	7	15.2	0.7	22	1	AZ603158	ACCESSION:AZ603158
	8	14.8	0.7	21	1	HSMC03A11	ACCESSION:X88535
	9	14.6	0.7	21	1	AZ968705	ACCESSION:AZ968705
c	10	14.6	0.7	22	1	AI344786	ACCESSION:AI344786
	11	14.6	0.7	22	1	AZ991196	ACCESSION:AZ991196
c	12	14.4	0.7	19	1	AZ817185	ACCESSION:AZ817185
c	13	14.4	0.7	21	1	AZ336281	ACCESSION:AZ336281
c	14	14.2	0.7	20	1	BQ586354	ACCESSION:BQ586354
c	15	14.2	0.7	20	1	CF293747	ACCESSION:CF293747
	16	14	0.7	19	1	AZ424757	ACCESSION:AZ424757
c	17	13.8	0.7	20	1	BG927393	ACCESSION:BG927393
c	18	13.8	0.7	20	1	AZ417235	ACCESSION:AZ417235
c	19	13.8	0.7	21	1	AZ969578	ACCESSION:AZ969578
	20	13.6	0.7	20	1	AU264645	ACCESSION:AU264645
c	21	13.6	0.7	20	1	AZ421329	ACCESSION:AZ421329
	22	13.6	0.7	20	1	AZ623037	ACCESSION:AZ623037
c	23	13.6	0.7	20	1	AZ775620	ACCESSION:AZ775620
	24	13.4	0.6	19	1	AZ471573	ACCESSION:AZ471573
c	25	13.4	0.6	19	1	AZ579189	ACCESSION:AZ579189
c	26	13.4	0.6	19	1	AZ791433	ACCESSION:AZ791433
	27	13.4	0.6	20	1	AZ659612	ACCESSION:AZ659612
	28	13.2	0.6	18	1	BQ593882	ACCESSION:BQ593882
	29	13.2	0.6	19	1	AZ345792	ACCESSION:AZ345792
	30	13.2	0.6	19	1	AZ408157	ACCESSION:AZ408157
c	31	13.2	0.6	19	1	AZ470220	ACCESSION:AZ470220
c	32	13.2	0.6	19	1	AZ787003	ACCESSION:AZ787003
c	33	13.2	0.6	19	1	AZ819620	ACCESSION:AZ819620
c	34	13.2	0.6	19	1	AZ849133	ACCESSION:AZ849133
	35	13.2	0.6	20	1	CF337542	ACCESSION:CF337542
	36	13.2	0.6	20	1	AZ388212	ACCESSION:AZ388212
c	37	12.8	0.6	18	1	BG925569	ACCESSION:BG925569
	38	12.8	0.6	19	1	AW246513	ACCESSION:AW246513
	39	12.8	0.6	19	1	AZ654214	ACCESSION:AZ654214
	40	12.8	0.6	19	1	AZ861876	ACCESSION:AZ861876
c	41	12.8	0.6	19	1	AZ995903	ACCESSION:AZ995903
c	42	12.6	0.6	19	1	AI686814	ACCESSION:AI686814
c	43	12.6	0.6	19	1	AZ345489	ACCESSION:AZ345489
c	44	12.6	0.6	19	1	AZ360314	ACCESSION:AZ360314
c	45	12.6	0.6	19	1	AZ401252	ACCESSION:AZ401252
c	46	12.6	0.6	19	1	AZ508288	ACCESSION:AZ508288
	47	12.6	0.6	19	1	AZ513919	ACCESSION:AZ513919
c	48	12.6	0.6	19	1	AZ630416	ACCESSION:AZ630416
c	49	12.6	0.6	19	1	AZ763729	ACCESSION:AZ763729
c	50	12.6	0.6	19	1	AZ764521	ACCESSION:AZ764521
c	51	12.6	0.6	19	1	AZ795136	ACCESSION:AZ795136
	52	12.6	0.6	19	1	AZ861832	ACCESSION:AZ861832
	53	12.6	0.6	19	1	AZ949434	ACCESSION:AZ949434

ALIGNMENTS

RESULT 1
AZ799831/c
LOCUS AZ799831 32 bp DNA linear GSS 16-FEB-2001
DEFINITION 2M0057G03R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0057G03 R, genomic survey sequence.
ACCESSION AZ799831
VERSION AZ799831.1 GI:12951342
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 32)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished (2000)
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0057 row: G column: 03
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 32.
FEATURES Location/Qualifiers
source 1. .32
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0057G03"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

Query Match 1.1%; Score 24; DB 1; Length 32;
Best Local Similarity 100.0%; Pred. No. 0.85;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy        555 AAAGTATCACCAGAGGGTGCTGTA 578
              ||||||||||||||||||||||||
Db         27 AAAGTATCACCAGAGGGTGCTGTA 4
```

RESULT 2
AA921198
LOCUS AA921198 22 bp mRNA linear EST 20-APR-1998
DEFINITION vz27f12.r1 Soares_thymus_2NbMT Mus musculus cDNA clone IMAGE:1327727 5' similar to SW:HIDA_MOUSE O09106 HISTONE DEACETYLASE HD1. [3] SW:HIDA_MOUSE TR:Q92534 ;, mRNA sequence.
ACCESSION AA921198
VERSION AA921198.1 GI:3067977
KEYWORDS EST.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 22)
AUTHORS Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T., Geisel,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M., Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B., Theising,B., Wylie,T., Lennon,G., Soares,B., Wilson,R. and Waterston,R.
TITLE The WashU-HHMI Mouse EST Project
JOURNAL Unpublished (1996)
COMMENT Contact: Marra M/Mouse EST Project
WashU-HHMI Mouse EST Project
Washington University School of MedicineP
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: mouseest@watson.wustl.edu
This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.
MGI:687271
Trace considered overall poor quality
Possible reversed clone: similarity on wrong strand
Seq primer: -28m13 rev2 ET from Amersham
High quality sequence stop: 1.
FEATURES Location/Qualifiers
source 1. .22
/organism="Mus musculus"
/mol_type="mRNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="IMAGE:1327727"
/sex="male"
/tissue_type="Thymus"
/dev_stage="4 weeks"
/lab_host="DH10B"
/clone_lib="Soares_thymus_2NbMT"
/note="Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Eco RI; 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' TGTTACCAATCTGAAGTGGGAGCGGCCGCGTTTTTTTTTTTTTTTTTTTTTT 3']; double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. RNA provided by Dr. Bertrand Jordan. Library went through two rounds of normalization, and was constructed by Bento Soares and M.Fatima Bonaldo."

Query Match 0.9%; Score 19.4; DB 1; Length 22;
Best Local Similarity 95.2%; Pred. No. 1.8;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy       1051 TACAATGACTACTTTGAATAC 1071
              ||||| ||||||||||||||||
Db          2 TACAACGACTACTTTGAATAC 22
```

RESULT 3
BH789641
LOCUS BH789641 25 bp DNA linear GSS 02-APR-2002
DEFINITION SALK_040493.10.25.n Arabidopsis thaliana TDNA insertion lines Arabidopsis thaliana genomic clone SALK_040493.10.25.n, genomic survey sequence.
ACCESSION BH789641
VERSION BH789641.1 GI:19882739
KEYWORDS GSS.
SOURCE Arabidopsis thaliana (thale cress)
ORGANISM Arabidopsis thaliana
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
REFERENCE 1 (bases 1 to 25)
AUTHORS Alonso,J.M., Leisse,T.J., Barajas,P., Chen,H., Cheuk,R., Gadrinab,C., Jeske,A., Karnes,M., Kim,C.J., Parker,H., Prednis,L., Shinn,P., Zimmerman,J. and Ecker,J.R.
TITLE A Sequence-Indexed Library of Insertion Mutations in the Arabidopsis Genome
JOURNAL Unpublished (2001)
COMMENT Contact: Joseph R. Ecker
Salk Institute Genomic Analysis Laboratory (SIGnAL)
The Salk Institute for Biological Studies
10010 N. Torrey Pines Road, La Jolla, CA 92037, USA
Tel: 858 453 4100 x1752
Fax: 858 558 6379
Email: ecker@salk.edu
This is single pass sequence recovered from the left border of TDNA. This sequence lies within 300 bases of the 3' end of At3g57280.
Class: TDNA tagged.
FEATURES Location/Qualifiers
source 1. .25
/organism="Arabidopsis thaliana"
/mol_type="genomic DNA"
/strain="Columbia 0"
/db_xref="taxon:3702"
/clone="SALK_040493.10.25.n"
/clone_lib="Arabidopsis thaliana TDNA insertion lines"
/note="PCR was performed on Arabidopsis thaliana lines each of which contains one or more TDNA insertion elements. The resultant fragment for each line was directly sequenced to determine the genomic sequence at the site of insertion. Details of the protocols used can be found at http://signal.salk.edu/tdna_protocols.html"

Query Match 0.8%; Score 17; DB 1; Length 25;
Best Local Similarity 80.0%; Pred. No. 10;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

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Qy       1584 TTCTATTTCTCTGTGTATTTATATA 1608
              |||| | ||||| | |||||||| ||
Db          1 TTCTTTATCTCTTTTTATTTATTTA 25
```

```
RESULT 4
CG716321
LOCUS       CG716321                  25 bp    DNA     linear   GSS 20-OCT-2003
DEFINITION  1119045C03.1EL_y2 1119 - RescueMu Grid AA Zea mays genomic, genomic
            survey sequence.
ACCESSION   CG716321
VERSION     CG716321.1  GI:37744521
KEYWORDS    GSS.
SOURCE      Zea mays
  ORGANISM  Zea mays
            Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
            Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD
            clade; Panicoideae; Andropogoneae; Zea.
REFERENCE   1  (bases 1 to 25)
  AUTHORS   Walbot,V.
  TITLE     Maize genomic sequences found using engineered RescueMu transposon
  JOURNAL   Unpublished (2001)
COMMENT     Contact: Walbot V
            Department of Biological Sciences
            Stanford University
            855 California Ave, Palo Alto, CA 94304, USA
            Tel: 650 723 2227
            Fax: 650 725 8221
            Email: walbot@stanford.edu
            Very probable ligation site of ends cut by single endonuclease.
            Reverse complemented post-ligation sequence from source sequence.
            Plate: 1119045  row: C  column: 03
            Class: transposon-tagged.
FEATURES             Location/Qualifiers
     source          1. .25
                     /organism="Zea mays"
                     /mol_type="genomic DNA"
                     /cultivar="mixed background W23/A188/B73/K55"
                     /db_xref="taxon:4577"
                     /tissue_type="leaf"
                     /dev_stage="adult"
                     /lab_host="DH10B"
                     /clone_lib="1119 - RescueMu Grid AA"
                     /note="Organ: leaf; Vector: RescueMu (engineered from
                     pBlueScript backbone); Site_1: BamHI; Site_2: BglII;
                     RescueMu is a 4.9 kb, modified maize Mu transposon
                     designed to allow plasmid rescue from total genomic DNA.
                     Mu elements insert preferentially into transcription
                     units. For more information on RescueMu, go to the web
                     site 'www.zmdb.iastate.edu' and follow the links for
                     'RescueMu.' Grid AA was grown at UC San Diego in 2002. DNA
                     was extracted from leaf strips, double digested using
                     BamHI and BglII, and ligated to form circular plasmids.
                     DH10B cells were transformed and then screened on LB
                     plates with ampicillin."

  Query Match             0.8%;  Score 16.4;  DB 1;  Length 25;
  Best Local Similarity   94.4%;  Pred. No. 14;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1575 TTTTATATTTTCTATTTC 1592
              ||||||||||||| ||||
Db          4 TTTTATATTTTCTTTTTC 21


RESULT 5
AZ327346/c
LOCUS       AZ327346                  23 bp    DNA     linear   GSS 29-SEP-2000
DEFINITION  1M0050C09R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0050C09 R, genomic survey sequence.
ACCESSION   AZ327346
VERSION     AZ327346.1  GI:10386003
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 23)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0050  row: C  column: 09
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
            High quality sequence stop: 23.
FEATURES             Location/Qualifiers
     source          1. .23
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC1M0050C09"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."

  Query Match             0.7%;  Score 15.6;  DB 1;  Length 23;
  Best Local Similarity   81.8%;  Pred. No. 14;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1601 TTTATATAAAAATTTATTAAAT 1622
              ||| | |||||||| ||| |||
Db         22 TTTTTTTAAAAATTAATTTAAT 1


RESULT 6
AZ345476
LOCUS       AZ345476                  23 bp    DNA     linear   GSS 29-SEP-2000
DEFINITION  1M0080P11F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0080P11 F, genomic survey sequence.
ACCESSION   AZ345476
VERSION     AZ345476.1  GI:10424713
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 23)
```

```
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0080  row: P  column: 11
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 23.
FEATURES              Location/Qualifiers
     source           1. .23
                      /organism="Mus musculus"
                      /mol_type="genomic DNA"
                      /strain="C57BL/6J"
                      /db_xref="taxon:10090"
                      /clone="UUGC1M0080P11"
                      /sex="Male"
                      /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                      /clone_lib="Mouse 10kb plasmid UUGC1M library"
                      /note="Vector: PWD42nv; Purified genomic DNA from M.
                      musculus C57BL/6J (male) was obtained  from the Jackson
                      Laboratory Mouse DNA Resource
                      (http://www.jax.org/resources/documents/dnares/). The DNA
                      was hydrodynamically sheared by repeated passage through a
                      0.005 inch orifice at constant velocity. The sheared DNA
                      was blunt end-repaired with T4 DNA polymerase and T4
                      polynucleotide kinase. Adaptor oligonucleotides were
                      ligated to the blunt ends in high  molar excess. The
                      adaptored DNA was purified and size-selected for a 9.5 to
                      10.5 kb range using preparative agarose gel
                      electrophoresis. Vector DNA was prepared from a derivative
                      of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                      inducible derivative of plasmid R1. The vector was ligated
                      with adaptors complementary to the insert adaptors and
                      purified. The sheared, adaptored mouse DNA was annealed to
                      adaptored vector DNA, and transformed into
                      chemically-competent E. coli XL10-Gold (Stratagene) cells
                      and selected for ampicillin resistance."

  Query Match             0.7%;  Score 15.6;  DB 1;  Length 23;
  Best Local Similarity   81.8%;  Pred. No. 14;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1600 ATTTATATAAAAATTTATTAAA 1621
             | |||||| ||| ||||| |||
Db          2 AATTATATTAAATTTTATCAAA 23


RESULT 7
AZ603158
LOCUS       AZ603158                 22 bp    DNA     linear   GSS 13-DEC-2000
DEFINITION  1M0422L13F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0422L13 F, genomic survey sequence.
ACCESSION   AZ603158
VERSION     AZ603158.1  GI:11725348
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 22)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0422  row: L  column: 13
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 22.
FEATURES              Location/Qualifiers
     source           1. .22
                      /organism="Mus musculus"
                      /mol_type="genomic DNA"
                      /strain="C57BL/6J"
                      /db_xref="taxon:10090"
                      /clone="UUGC1M0422L13"
                      /sex="Male"
                      /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                      /clone_lib="Mouse 10kb plasmid UUGC1M library"
                      /note="Vector: PWD42nv; Purified genomic DNA from M.
                      musculus C57BL/6J (male) was obtained  from the Jackson
                      Laboratory Mouse DNA Resource
                      (http://www.jax.org/resources/documents/dnares/). The DNA
                      was hydrodynamically sheared by repeated passage through a
                      0.005 inch orifice at constant velocity. The sheared DNA
                      was blunt end-repaired with T4 DNA polymerase and T4
                      polynucleotide kinase. Adaptor oligonucleotides were
                      ligated to the blunt ends in high  molar excess. The
                      adaptored DNA was purified and size-selected for a 9.5 to
                      10.5 kb range using preparative agarose gel
                      electrophoresis. Vector DNA was prepared from a derivative
                      of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                      inducible derivative of plasmid R1. The vector was ligated
                      with adaptors complementary to the insert adaptors and
                      purified. The sheared, adaptored mouse DNA was annealed to
                      adaptored vector DNA, and transformed into
                      chemically-competent E. coli XL10-Gold (Stratagene) cells
                      and selected for ampicillin resistance."

  Query Match             0.7%;  Score 15.2;  DB 1;  Length 22;
  Best Local Similarity   85.0%;  Pred. No. 15;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1333 GAAGAGGAGGGAGAGGGGGG 1352
              |||||| ||||  |||||||
Db          3 GAAGAGCAGGGGAAGGGGGG 22


RESULT 8
HSMC03A11
LOCUS       HSMC03A11                21 bp    DNA     linear   GSS 29-MAY-1997
DEFINITION  H.sapiens DNA for trapped exon (ID RMC03A11), genomic survey
            sequence.
ACCESSION   X88535
VERSION     X88535.1  GI:1437536
KEYWORDS    GSS.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 21)
  AUTHORS   Chen,H., Chrast,R., Rossier,C., Morris,M.A., Lalioti,M.D. and
            Antonarakis,S.E.
```

```
  TITLE     Cloning of 559 potential exons of genes of human chromosome 21 by
            exon trapping
  JOURNAL   Genome Res. 6 (8), 747-760 (1996)
  MEDLINE   97011340
   PUBMED   8858350
REFERENCE   2  (bases 1 to 21)
  AUTHORS   Chen,H.M., Rossier,C., Chrast,R. and Antonarakis,S.E.
  TITLE     Cloning of trapped exons from human chromosome 21
  JOURNAL   Unpublished
REFERENCE   3  (bases 1 to 21)
  AUTHORS   Antonarakis,S.E.
  TITLE     Direct Submission
  JOURNAL   Submitted (17-MAR-1995) Stylianos E. Antonarakis, Division of
            Medical Genetics, University and Cantonal Hospital of Geneva, CMU,
            1 rue Michel-Servet, 1211 Geneva, SWITZERLAND
FEATURES             Location/Qualifiers
     source          1. .21
                     /organism="Homo sapiens"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:9606"
                     /chromosome="21"
     exon            1. .21
                     /note="trapped exon"

  Query Match             0.7%;  Score 14.8;  DB 1;  Length 21;
  Best Local Similarity   88.9%;  Pred. No. 15;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1835 CTTATTGAACATTCTAGA 1852
              | ||||||||||||| |||
Db          3 CATATTGAACATTCCAGA 20


RESULT 9
AZ968705
LOCUS       AZ968705                 21 bp    DNA     linear   GSS 27-APR-2001
DEFINITION  2M0241I12F Mouse 10kb plasmid UUGC2M library Mus musculus genomic
            clone UUGC2M0241I12 F, genomic survey sequence.
ACCESSION   AZ968705
VERSION     AZ968705.1  GI:13839932
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 21)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000  Std Error: 0.00
            Plate: 0241  row: I  column: 12
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 21.
FEATURES             Location/Qualifiers
     source          1. .21
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC2M0241I12"
                     /sex="Female"
                     /lab_host="E. coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC2M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (female) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."

  Query Match             0.7%;  Score 14.6;  DB 1;  Length 21;
  Best Local Similarity   81.0%;  Pred. No. 16;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1597 TGTATTTATATAAAAATTTAT 1617
              | |||| |||||| ||||| |
Db          1 TATATTAATATAAGAATTTTT 21


RESULT 10
AI344786/c
LOCUS       AI344786                 22 bp    mRNA    linear   EST 08-APR-1999
DEFINITION  tb10b09.x2 NCI_CGAP_Ov37 Homo sapiens cDNA clone IMAGE:2053913 3'
            similar to TR:O13761 O13761 HYPOTHETICAL 35.1 KD PROTEIN. ;contains
            THR.b3 TAR1 repetitive element ;, mRNA sequence.
ACCESSION   AI344786
VERSION     AI344786.1  GI:4081992
KEYWORDS    EST.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 22)
  AUTHORS   NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
  TITLE     National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
            Tumor Gene Index
  JOURNAL   Unpublished (1997)
COMMENT     Contact: Robert Strausberg, Ph.D.
            Email: cgapbs-r@mail.nih.gov
            Tissue Procurement: Andrew Berchuck, M.D., Monica Brown, M.D.,
            Elise Kohn, M.D., Michael R. Emmert-Buck, M.D., Ph.D.
             cDNA Library Preparation: David B. Krizman, Ph.D.
             cDNA Library Arrayed by: Greg Lennon, Ph.D.
             DNA Sequencing by: Washington University Genome Sequencing Center
             Clone distribution: NCI-CGAP clone distribution information can be
            found through the I.M.A.G.E. Consortium/LLNL at:
            www-bio.llnl.gov/bbrp/image/image.html

            Trace considered overall poor quality
            Insert Length: 325  Std Error: 0.00
            Seq primer: -40UP from Gibco
            High quality sequence stop: 1.
FEATURES             Location/Qualifiers
     source          1. .22
                     /organism="Homo sapiens"
                     /mol_type="mRNA"
                     /db_xref="taxon:9606"
                     /clone="IMAGE:2053913"
                     /sex="female"
                     /tissue_type="early stage papillary serous carcinoma"
```

/dev_stage="adult"
/lab_host="DH10B"
/clone_lib="NCI_CGAP_Ov37"
/note="Organ: ovary; Vector: pAMP1; mRNA made from ovary carcinoma tissue, cDNA made by oligo-dT priming. Directionally cloned. Size-selected on agarose gel, average insert size 400 bp. Primary library, non-amplified. "

Query Match 0.7%; Score 14.6; DB 1; Length 22;
Best Local Similarity 81.0%; Pred. No. 19;
Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
Qy       1413 GAAAGACCCAGAGGAGAAGAA 1433
              ||||||   | ||||||||||
Db         22 GAAAGAGAGAAAGGAGAAGAA 2
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RESULT 11
AZ991196
LOCUS AZ991196 22 bp DNA linear GSS 27-APR-2001
DEFINITION 2M0275F13F Mouse 10kb plasmid UUGC2M library Mus musculus genomic clone UUGC2M0275F13 F, genomic survey sequence.
ACCESSION AZ991196
VERSION AZ991196.1 GI:13862423
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 22)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished (2000)
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0275 row: F column: 13
Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
High quality sequence stop: 22.
FEATURES Location/Qualifiers
source 1. .22
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0275F13"
/sex="Female"
/lab_host="E. coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC2M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (female) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

Query Match 0.7%; Score 14.6; DB 1; Length 22;
Best Local Similarity 81.0%; Pred. No. 19;
Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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Qy       1887 TTTCAGGCTCCTAAAGTAACA 1907
              || ||||||| ||||| || |
Db          2 TTACAGGCTCTTAAAGGAAAA 22
```

RESULT 12
AZ817185/c
LOCUS AZ817185 19 bp DNA linear GSS 20-FEB-2001
DEFINITION 2M0086E19F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0086E19 F, genomic survey sequence.
ACCESSION AZ817185
VERSION AZ817185.1 GI:12987093
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 19)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished (2000)
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0086 row: E column: 19
Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
High quality sequence stop: 19.
FEATURES Location/Qualifiers
source 1. .19
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0086E19"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number

inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

Query Match 0.7%; Score 14.4; DB 1; Length 19;
Best Local Similarity 93.8%; Pred. No. 12;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy       1611 AATTTATTAAATATAA 1626
              ||||||||||||| ||
Db         19 AATTTATTAAATAAAA 4
```

RESULT 13
AZ336281/c
LOCUS AZ336281 21 bp DNA linear GSS 29-SEP-2000
DEFINITION 1M0066B02R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0066B02 R, genomic survey sequence.
ACCESSION AZ336281
VERSION AZ336281.1 GI:10405422
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 21)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished (2000)
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0066 row: B column: 02
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 21.
FEATURES Location/Qualifiers
source 1. .21
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0066B02"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

Query Match 0.7%; Score 14.4; DB 1; Length 21;
Best Local Similarity 93.8%; Pred. No. 18;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy       1445 AAGAGGAGAAAACCAA 1460
              |||| ||||||||||||
Db         17 AAGATGAGAAAACCAA 2
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RESULT 14
BQ586354/c
LOCUS BQ586354 20 bp mRNA linear EST 06-DEC-2002
DEFINITION E012395-024-013-F10-SP6 MPIZ-ADIS-024-leaf Beta vulgaris cDNA clone 024-013-F10 5-PRIME, mRNA sequence.
ACCESSION BQ586354
VERSION BQ586354.1 GI:26115926
KEYWORDS EST.
SOURCE Beta vulgaris
ORGANISM Beta vulgaris
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Caryophyllales; Amaranthaceae; Beta.
REFERENCE 1 (bases 1 to 20)
AUTHORS Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M., Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H. and Radelof,U.
TITLE Construction of a 'unigene' cDNA clone set by oligonucleotide fingerprinting allows access to 25 000 potential sugar beet genes
JOURNAL Plant J. 32 (5), 845-857 (2002)
MEDLINE 22362189
PUBMED 12472698
COMMENT Contact: Weisshaar B
ADIS DNA core facility at MPIZ
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
Email: weisshaa@mpiz-koeln.mpg.de
Insert Length: 20 Std Error: 0.00
Plate: 13 row: F column: 10
Seq primer: SP6; CATACGATTTAGGTGACACTATAG.
FEATURES Location/Qualifiers
source 1. .20
/organism="Beta vulgaris"
/mol_type="mRNA"
/cultivar="KWS2320 (double haploid, monogerm breeding line)"
/db_xref="GABI:186521"
/db_xref="taxon:161934"
/clone="024-013-F10"
/tissue_type="leaf"
/lab_host="EMDH10B"
/clone_lib="MPIZ-ADIS-024-leaf"
/note="Vector: pCMVSPORT6; Site_1: SalI; Site_2: NotI; cDNA library from sugar beet, library provided by KWS Kleinwanzlebener Saatzucht AG Einbeck, Germany, contact: b.schulz@kws.de; cloning sites SalI-NotI, primer sites and orientation: SP6-SalI-CCACGCGTCCG-5prime-cDNA-polyA-CC-NotI-T7; Note: Sequencing granted in the context of the GABI-Beet project, local PI: Dr. Katharina Schneider, coordinator: Prof. Christian Jung; Sequence submission managed by RZPD/GABI-Primary database:http://gabi.rzpd.de"

Query Match 0.7%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 16;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Qy       1444 GAAGAGGAGAAAACCAAGG 1462
              || |||||||||| |||| |
Db         19 GAGGAGGAGAAACCCAAAG 1

RESULT 15
CF293747/c
LOCUS       CF293747                  20 bp    mRNA    linear   EST 14-AUG-2003
DEFINITION  30DGS--03-A16.g1 Rice leaf plasmid cDNA library I (30DGS) Oryza
            sativa cDNA clone 30DGS--03-A16, mRNA sequence.
ACCESSION   CF293747
VERSION     CF293747.1  GI:33662780
KEYWORDS    EST.
SOURCE      Oryza sativa
  ORGANISM  Oryza sativa
            Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
            Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
            Ehrhartoideae; Oryzeae; Oryza.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Kim,J.S., Jun,K.M., Cheong,P.J., Kim,M.J., Lee,T.H., Shin,Y.C.,
            Song,S.I., Kim,J.K., Kim,Y.-K. and Nahm,B.H.
  TITLE     Large-scale Sequencing Analysis of Rice ESTs
  JOURNAL   Unpublished (2003)
COMMENT     Contact: Nahm B.H.
            Genomics and Genetics Institute, GreenGene Biotech Inc.; Division
            of Bioscience and Bioinformatics, MyongJi University
            Yongin, Kyeonggi, Korea
            Tel: 82 31 330 6193
            Fax: 82 31 321 6355
            Email: bhnahm@ggbio.com, bhnahm@bio.myongji.ac.kr.
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="Oryza sativa"
                     /mol_type="mRNA"
                     /cultivar="Nackdong"
                     /db_xref="taxon:4530"
                     /clone="30DGS--03-A16"
                     /tissue_type="leaf"
                     /dev_stage="30 days after germination"
                     /lab_host="E.coli DH10B"
                     /clone_lib="Rice leaf plasmid cDNA library I (30DGS)"
                     /note="Vector: pCR4-TOPO; Site_1: EcoRI; mRNA was capped
                     with oligoribonucleotides and then used as templates for
                     RT-PCR."

  Query Match             0.7%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 16;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1219 GAGGACGCCATCCCTGAGG 1237
              || ||||||||| | ||||
Db         20 GACGACGCCATCGCGGAGG 2

RESULT 16
AZ424757
LOCUS       AZ424757                  19 bp    DNA     linear   GSS 03-OCT-2000
DEFINITION  1M0204G02R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0204G02 R, genomic survey sequence.
ACCESSION   AZ424757
VERSION     AZ424757.1  GI:10548770
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0204  row: G  column: 02
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
            High quality sequence stop: 19.
FEATURES             Location/Qualifiers
     source          1. .19
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC1M0204G02"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."

  Query Match             0.7%;  Score 14;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 15;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1749 GTCTGGGTGAAAGG 1762
              ||||||||||||||
Db          1 GTCTGGGTGAAAGG 14

RESULT 17
BG927393/c
LOCUS       BG927393                  20 bp    mRNA    linear   EST 06-NOV-2001
DEFINITION  HNC1-1-F7.R HNC (Human Normal Cartilage) Homo sapiens cDNA, mRNA
            sequence.
ACCESSION   BG927393
VERSION     BG927393.1  GI:14321916
KEYWORDS    EST.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Kumar,S., Connor,J.R., Dodds,R.A., Halsey,W., Van Horn,M., Mao,J.,
            Sathe,G., Mui,P., Agarwal,P., Badger,A.M., Lee,J.C., Gowen,M. and
            Lark,M.W.
  TITLE     Identification and initial characterization of 5000 expressed
            sequenced tags (ESTs) each from adult human normal and
            osteoarthritic cartilage cDNA libraries
  JOURNAL   Osteoarthr. Cartil. 9 (7), 641-653 (2001)
```

```
  MEDLINE   21482651
   PUBMED   11597177
COMMENT     Contact: Sanjay Kumar
            UW2109
            GlaxoSmithKline
            709 Swedeland Road, P.O. Box 1539, King of Prussia, PA 19406, USA
            Tel: 610-270-7245
            Fax: 610-270-5598
            Email: sanjay_kumar-1@gsk.com
            Seq primer: T7.
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="Homo sapiens"
                     /mol_type="mRNA"
                     /db_xref="taxon:9606"
                     /tissue_type="cartilage"
                     /lab_host="E.coli DH10 B"
                     /clone_lib="HNC (Human Normal Cartilage)"
                     /note="Vector: pSPORT I; Site_1: SalI; Site_2: NotI;
                     Directional"

  Query Match              0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 20;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1747 AGGTCTGGGTGAAAGGG 1763
              ||| ||||||||||||
Db         17 AGGAATGGGTGAAAGGG 1


RESULT 18
AZ417235/c
LOCUS       AZ417235                 20 bp    DNA     linear   GSS 03-OCT-2000
DEFINITION  1M0192N15R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0192N15 R, genomic survey sequence.
ACCESSION   AZ417235
VERSION     AZ417235.1  GI:10541248
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0192  row: N  column: 15
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
            High quality sequence stop: 20.
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC1M0192N15"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."

  Query Match              0.7%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 20;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1335 AGAGGAGGGAGAGGGGG 1351
              || |||||||||| ||||
Db         19 AGGGGAGGGAGAAGGGG 3


RESULT 19
AZ969578/c
LOCUS       AZ969578                 21 bp    DNA     linear   GSS 27-APR-2001
DEFINITION  2M0242G20F Mouse 10kb plasmid UUGC2M library Mus musculus genomic
            clone UUGC2M0242G20 F, genomic survey sequence.
ACCESSION   AZ969578
VERSION     AZ969578.1  GI:13840805
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 21)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0242  row: G  column: 20
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 21.
FEATURES             Location/Qualifiers
     source          1. .21
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC2M0242G20"
                     /sex="Female"
                     /lab_host="E. coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC2M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
```

musculus C57BL/6J (female) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

Query Match 0.7%; Score 13.8; DB 1; Length 21;
Best Local Similarity 88.2%; Pred. No. 24;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy       1336 GAGGAGGGAGAGGGGGG 1352
              |||| ||||| ||||||
Db         20 GAGGGGGGAGTGGGGGG 4
```

RESULT 20
AU264645
LOCUS AU264645 20 bp mRNA linear EST 10-MAY-2002
DEFINITION AU264645 VS Dictyostelium discoideum cDNA clone VSD846 5', mRNA sequence.
ACCESSION AU264645
VERSION AU264645.1 GI:20523443
KEYWORDS EST.
SOURCE Dictyostelium discoideum
ORGANISM Dictyostelium discoideum
Eukaryota; Mycetozoa; Dictyosteliida; Dictyostelium.
REFERENCE 1 (bases 1 to 20)
AUTHORS Urushihara,H., Morio,T., Saito,T., Koriki,E., Ochiai,H., Maeda,M., Takeuchi,I., Kohara,Y. and Tanaka,Y.
TITLE Population analysis of cDNAs from unicellular and multicellular stages of Dictyostelium discoideum
JOURNAL Unpublished (2002)
COMMENT Contact: Hideko Urushihara
Institute of Biological Sciences
University of Tsukuba
1-1-1 Tennoudai, Tsukuba, Ibaraki 305-8572, Japan
Tel: 81-298-53-4664
Fax: 81-298-53-6614
Email: hideko@biol.tsukuba.ac.jp.
FEATURES Location/Qualifiers
source 1. .20
/organism="Dictyostelium discoideum"
/mol_type="mRNA"
/strain="AX4"
/db_xref="taxon:44689"
/clone="VSD846"
/sex="mat A"
/dev_stage="vegetative"
/clone_lib="VS"

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 22;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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Qy       1608 AAAAATTTATTAAATATAAA 1627
              |||||||| | ||| | |||
Db          1 AAAAATTTTTAAAAAAAAAA 20
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RESULT 21
AZ421329/c
LOCUS AZ421329 20 bp DNA linear GSS 03-OCT-2000
DEFINITION 1M0199J03R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0199J03 R, genomic survey sequence.
ACCESSION AZ421329
VERSION AZ421329.1 GI:10545342
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 20)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished (2000)
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0199 row: J column: 03
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 20.
FEATURES Location/Qualifiers
source 1. .20
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0199J03"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

Query Match 0.7%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 22;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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Qy       1576 TTTATATTTTCTATTTCTCT 1595
              ||||| || | |||| ||||
Db         20 TTTATTTTGTATATTGCTCT 1
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RESULT 22
AZ623037

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LOCUS       AZ623037                 20 bp    DNA     linear   GSS 13-DEC-2000
DEFINITION  1M0460K16F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0460K16 F, genomic survey sequence.
ACCESSION   AZ623037
VERSION     AZ623037.1  GI:11745227
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0460  row: K  column: 16
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 20.
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC1M0460K16"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 22;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         11 GCGGGCGGGAGGGCGGACGG 30
              | ||| ||| ||| ||||||
Db          1 GGGGGGGGGGGGGGGGACGG 20


RESULT 23
AZ775620/c
LOCUS       AZ775620                 20 bp    DNA     linear   GSS 16-FEB-2001
DEFINITION  2M0008D02R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC2M0008D02 R, genomic survey sequence.
ACCESSION   AZ775620
VERSION     AZ775620.1  GI:12902348
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0008  row: D  column: 02
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
            High quality sequence stop: 20.
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC2M0008D02"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."

  Query Match             0.7%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 22;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1336 GAGGAGGGAGAGGGGGGCCG 1355
              | || ||| | |||||||||
Db         20 GGGGGGGGGGGGGGGGGCCG 1


RESULT 24
AZ471573
LOCUS       AZ471573                 19 bp    DNA     linear   GSS 04-OCT-2000
DEFINITION  1M0286G13F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
```

clone UUGC1M0286G13 F, genomic survey sequence.
ACCESSION AZ471573
VERSION AZ471573.1 GI:10629698
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 19)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished (2000)
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0286 row: G column: 13
Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
High quality sequence stop: 19.
FEATURES Location/Qualifiers
source 1. .19
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0286G13"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

Query Match 0.6%; Score 13.4; DB 1; Length 19;
Best Local Similarity 93.3%; Pred. No. 20;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy       1842 AACATTCTAGAAGGG 1856
              ||||||||||| |||
Db          4 AACATTCTAGAGGGG 18
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RESULT 25
AZ579189/c
LOCUS AZ579189 19 bp DNA linear GSS 13-DEC-2000
DEFINITION 1M0363I12F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0363I12 F, genomic survey sequence.
ACCESSION AZ579189
VERSION AZ579189.1 GI:11693534
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 19)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished (2000)
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0363 row: I column: 12
Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
High quality sequence stop: 19.
FEATURES Location/Qualifiers
source 1. .19
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0363I12"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

Query Match 0.6%; Score 13.4; DB 1; Length 19;
Best Local Similarity 93.3%; Pred. No. 20;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy       1336 GAGGAGGGAGAGGGG 1350
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Db         15 GAGGGGGGAGAGGGG 1
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RESULT 26
AZ791433/c
LOCUS AZ791433 19 bp DNA linear GSS 16-FEB-2001
DEFINITION 2M0041A24F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0041A24 F, genomic survey sequence.
ACCESSION AZ791433

```
VERSION     AZ791433.1  GI:12934312
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0041  row: A  column: 24
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 19.
FEATURES             Location/Qualifiers
     source          1. .19
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC2M0041A24"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 20;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1804 AGTGCCTGCTTAGTA 1818
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Db         15 AGTGCCTGCATAGTA 1


RESULT 27
AZ659612
LOCUS       AZ659612                 20 bp    DNA     linear   GSS 14-DEC-2000
DEFINITION  1M0537A07F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0537A07 F, genomic survey sequence.
ACCESSION   AZ659612
VERSION     AZ659612.1  GI:11796758
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0537  row: A  column: 07
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 20.
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC1M0537A07"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."

  Query Match             0.6%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 24;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1178 TGCTGCCGCACGCAC 1192
              ||||||||| ||||
Db          6 TGCTGCCGCAGGCAC 20


RESULT 28
BQ593882
LOCUS       BQ593882                 18 bp    mRNA    linear   EST 06-DEC-2002
DEFINITION  E012763-024-026-M01-SP6 MPIZ-ADIS-024-developing root Beta vulgaris
            cDNA clone 024-026-M01 5-PRIME, mRNA sequence.
ACCESSION   BQ593882
VERSION     BQ593882.1  GI:26123465
KEYWORDS    EST.
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SOURCE      Beta vulgaris
  ORGANISM  Beta vulgaris
            Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
            Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
            Caryophyllales; Amaranthaceae; Beta.
REFERENCE   1  (bases 1 to 18)
  AUTHORS   Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
            Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
            and Radelof,U.
  TITLE     Construction of a 'unigene' cDNA clone set by oligonucleotide
            fingerprinting allows access to 25 000 potential sugar beet genes
  JOURNAL   Plant J. 32 (5), 845-857 (2002)
  MEDLINE   22362189
   PUBMED   12472698
COMMENT     Contact: Weisshaar B
            ADIS DNA core facility at MPIZ
            Max-Planck-Institute for Plant Breeding Research
            Carl-von-Linne Weg 10, 50829 Koeln, Germany
            Fax: 00492215062851
            Email: weisshaa@mpiz-koeln.mpg.de
            Insert Length: 18   Std Error: 0.00
            Plate: 26  row: M  column: 01
            Seq primer: SP6; CATACGATTTAGGTGACACTATAG.
FEATURES             Location/Qualifiers
     source          1. .18
                     /organism="Beta vulgaris"
                     /mol_type="mRNA"
                     /cultivar="KWS2320 (double haploid, monogerm breeding
                     line)"
                     /db_xref="GABI:192978"
                     /db_xref="taxon:161934"
                     /clone="024-026-M01"
                     /tissue_type="developing root"
                     /lab_host="EMDH10B"
                     /clone_lib="MPIZ-ADIS-024-developing root"
                     /note="Vector: pCMVSPORT6; Site_1: SalI; Site_2: NotI;
                     cDNA library from sugar beet, library provided by KWS
                     Kleinwanzlebener Saatzucht AG Einbeck, Germany, contact:
                     b.schulz@kws.de; cloning sites SalI-NotI, primer sites and
                     orientation:
                     SP6-SalI-CCACGCGTCCG-5prime-cDNA-polyA-CC-NotI-T7;  Note:
                     Sequencing granted in the context of the GABI-Beet
                     project, local PI: Dr. Katharina Schneider, coordinator:
                     Prof. Christian Jung;  Sequence submission managed by
                     RZPD/GABI-Primary database: http://gabi.rzpd.de"

  Query Match              0.6%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 17;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         12 CGGGCGGGAGGGCGGACG 29
              ||| || | |||||||||
Db          1 CGGACGCGTGGGCGGACG 18


RESULT 29
AZ345792
LOCUS       AZ345792                 19 bp    DNA     linear   GSS 29-SEP-2000
DEFINITION  1M0080G12R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0080G12 R, genomic survey sequence.
ACCESSION   AZ345792
VERSION     AZ345792.1  GI:10425029
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0080  row: G  column: 12
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
            High quality sequence stop: 19.
FEATURES             Location/Qualifiers
     source          1. .19
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC1M0080G12"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."

  Query Match              0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 21;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1338 GGAGGGAGAGGGGGGCCG 1355
              || ||| ||||||| ||
Db          2 GGGGGGGGAGGGGGGGCG 19


RESULT 30
AZ408157
LOCUS       AZ408157                 19 bp    DNA     linear   GSS 03-OCT-2000
DEFINITION  1M0179A16F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0179A16 F, genomic survey sequence.
ACCESSION   AZ408157
VERSION     AZ408157.1  GI:10532170
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
```

```
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0179  row: A  column: 16
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 19.
FEATURES             Location/Qualifiers
     source          1. .19
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC1M0179A16"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 21;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1610 AAATTTATTAAATATAAA 1627
              ||| |||||||| | |||
Db          1 AAAATTATTAAAAAAAAA 18


RESULT 31
AZ470220/c
LOCUS       AZ470220                 19 bp    DNA     linear   GSS 04-OCT-2000
DEFINITION  1M0284M11F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0284M11 F, genomic survey sequence.
ACCESSION   AZ470220
VERSION     AZ470220.1  GI:10628345
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0284  row: M  column: 11
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 19.
FEATURES             Location/Qualifiers
     source          1. .19
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC1M0284M11"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 21;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1405 GAAAAAGAGAAAGACCCA 1422
              ||||| |||||| || ||
Db         19 GAAAATGAGAAATACACA 2


RESULT 32
AZ787003/c
LOCUS       AZ787003                 19 bp    DNA     linear   GSS 16-FEB-2001
DEFINITION  2M0032O13R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC2M0032O13 R, genomic survey sequence.
ACCESSION   AZ787003
VERSION     AZ787003.1  GI:12925330
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
```

```
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0032  row: O  column: 13
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
            High quality sequence stop: 19.
FEATURES              Location/Qualifiers
     source           1. .19
                      /organism="Mus musculus"
                      /mol_type="genomic DNA"
                      /strain="C57BL/6J"
                      /db_xref="taxon:10090"
                      /clone="UUGC2M0032013"
                      /sex="Male"
                      /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                      /clone_lib="Mouse 10kb plasmid UUGC1M library"
                      /note="Vector: PWD42nv; Purified genomic DNA from M.
                      musculus C57BL/6J (male) was obtained  from the Jackson
                      Laboratory Mouse DNA Resource
                      (http://www.jax.org/resources/documents/dnares/). The DNA
                      was hydrodynamically sheared by repeated passage through a
                      0.005 inch orifice at constant velocity. The sheared DNA
                      was blunt end-repaired with T4 DNA polymerase and T4
                      polynucleotide kinase. Adaptor oligonucleotides were
                      ligated to the blunt ends in high  molar excess. The
                      adaptored DNA was purified and size-selected for a 9.5 to
                      10.5 kb range using preparative agarose gel
                      electrophoresis. Vector DNA was prepared from a derivative
                      of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                      inducible derivative of plasmid R1. The vector was ligated
                      with adaptors complementary to the insert adaptors and
                      purified. The sheared, adaptored mouse DNA was annealed to
                      adaptored vector DNA, and transformed into
                      chemically-competent E. coli XL10-Gold (Stratagene) cells
                      and selected for ampicillin resistance."

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 21;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1618 TAAATATAAATATCCCCA 1635
              || ||||| |||| ||||
Db         19 TATATATATATATGCCCA 2


RESULT 33
AZ819620/c
LOCUS       AZ819620                 19 bp    DNA     linear   GSS 20-FEB-2001
DEFINITION  2M0091A23F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC2M0091A23 F, genomic survey sequence.
ACCESSION   AZ819620
VERSION     AZ819620.1  GI:12989528
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0091  row: A  column: 23
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 19.
FEATURES              Location/Qualifiers
     source           1. .19
                      /organism="Mus musculus"
                      /mol_type="genomic DNA"
                      /strain="C57BL/6J"
                      /db_xref="taxon:10090"
                      /clone="UUGC2M0091A23"
                      /sex="Male"
                      /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                      /clone_lib="Mouse 10kb plasmid UUGC1M library"
                      /note="Vector: PWD42nv; Purified genomic DNA from M.
                      musculus C57BL/6J (male) was obtained  from the Jackson
                      Laboratory Mouse DNA Resource
                      (http://www.jax.org/resources/documents/dnares/). The DNA
                      was hydrodynamically sheared by repeated passage through a
                      0.005 inch orifice at constant velocity. The sheared DNA
                      was blunt end-repaired with T4 DNA polymerase and T4
                      polynucleotide kinase. Adaptor oligonucleotides were
                      ligated to the blunt ends in high  molar excess. The
                      adaptored DNA was purified and size-selected for a 9.5 to
                      10.5 kb range using preparative agarose gel
                      electrophoresis. Vector DNA was prepared from a derivative
                      of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                      inducible derivative of plasmid R1. The vector was ligated
                      with adaptors complementary to the insert adaptors and
                      purified. The sheared, adaptored mouse DNA was annealed to
                      adaptored vector DNA, and transformed into
                      chemically-competent E. coli XL10-Gold (Stratagene) cells
                      and selected for ampicillin resistance."

  Query Match             0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 21;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         13 GGGCGGGAGGGCGGACGG 30
              ||||||| ||||||  ||
Db         19 GGGCGGGGGGGCGGGGGG 2


RESULT 34
AZ849133/c
LOCUS       AZ849133                 19 bp    DNA     linear   GSS 21-FEB-2001
DEFINITION  2M0150L21F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC2M0150L21 F, genomic survey sequence.
ACCESSION   AZ849133
VERSION     AZ849133.1  GI:13032899
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
```

```
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0150  row: L  column: 21
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 19.
FEATURES              Location/Qualifiers
     source           1. .19
                      /organism="Mus musculus"
                      /mol_type="genomic DNA"
                      /strain="C57BL/6J"
                      /db_xref="taxon:10090"
                      /clone="UUGC2M0150L21"
                      /sex="Male"
                      /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                      /clone_lib="Mouse 10kb plasmid UUGC1M library"
                      /note="Vector: PWD42nv; Purified genomic DNA from M.
                      musculus C57BL/6J (male) was obtained  from the Jackson
                      Laboratory Mouse DNA Resource
                      (http://www.jax.org/resources/documents/dnares/). The DNA
                      was hydrodynamically sheared by repeated passage through a
                      0.005 inch orifice at constant velocity. The sheared DNA
                      was blunt end-repaired with T4 DNA polymerase and T4
                      polynucleotide kinase. Adaptor oligonucleotides were
                      ligated to the blunt ends in high  molar excess. The
                      adaptored DNA was purified and size-selected for a 9.5 to
                      10.5 kb range using preparative agarose gel
                      electrophoresis. Vector DNA was prepared from a derivative
                      of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                      inducible derivative of plasmid R1. The vector was ligated
                      with adaptors complementary to the insert adaptors and
                      purified. The sheared, adaptored mouse DNA was annealed to
                      adaptored vector DNA, and transformed into
                      chemically-competent E. coli XL10-Gold (Stratagene) cells
                      and selected for ampicillin resistance."

  Query Match              0.6%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 21;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         13 GGGCGGGAGGGCGGACGG 30
              ||| ||| |||||| |||
Db         19 GGGGGGGGGGGCGGGCGG 2


RESULT 35
CF337542
LOCUS       CF337542                 20 bp    mRNA    linear   EST 18-AUG-2003
DEFINITION  JMT--08-A10.b1 AtJMT-overexpressing transgenic rice plasmid cDNA
            library (JMT) Oryza sativa cDNA clone JMT--08-A10, mRNA sequence.
ACCESSION   CF337542
VERSION     CF337542.1  GI:33823470
KEYWORDS    EST.
SOURCE      Oryza sativa
  ORGANISM  Oryza sativa
            Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
            Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
            Ehrhartoideae; Oryzeae; Oryza.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Kim,J.S., Jun,K.M., Cheong,P.J., Kim,M.J., Lee,T.H., Shin,Y.C.,
            Song,S.I., Kim,J.K., Kim,Y.-K. and Nahm,B.H.
  TITLE     Large-scale Sequencing Analysis of Rice ESTs
  JOURNAL   Unpublished (2003)
COMMENT     Contact: Nahm B.H.
            Genomics and Genetics Institute, GreenGene Biotech Inc.; Division
            of Bioscience and Bioinformatics, MyongJi University
            Yongin, Kyeonggi, Korea
            Tel: 82 31 330 6193
            Fax: 82 31 321 6355
            Email: bhnahm@ggbio.com, bhnahm@bio.myongji.ac.kr.
FEATURES              Location/Qualifiers
     source           1. .20
                      /organism="Oryza sativa"
                      /mol_type="mRNA"
                      /cultivar="Nackdong"
                      /db_xref="taxon:4530"
                      /clone="JMT--08-A10"
                      /tissue_type="leaf"
                      /dev_stage="14 days after germination"
                      /lab_host="E.coli DH10B"
                      /clone_lib="AtJMT-overexpressing transgenic rice plasmid
                      cDNA library (JMT)"
                      /note="Vector: pCR4-TOPO; Site_1: EcoRI; Oligo-capped mRNA
                      was reverse transcribed and then used for PCR. mRNA was
                      pepared from Arabidopsis Jasmoinate Carboxyl
                      methyltransferase overexpression line."

  Query Match              0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 26;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        639 GGTCATGACTGTGTCCTT 656
              |||||||| ||||  ||
Db          2 GGTCATGACAGTGTTTTT 19


RESULT 36
AZ388212
LOCUS       AZ388212                 20 bp    DNA     linear   GSS 02-OCT-2000
DEFINITION  1M0148A10F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0148A10 F, genomic survey sequence.
ACCESSION   AZ388212
VERSION     AZ388212.1  GI:10501920
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0148  row: A  column: 10
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 20.
FEATURES              Location/Qualifiers
     source           1. .20
                      /organism="Mus musculus"
                      /mol_type="genomic DNA"
                      /strain="C57BL/6J"
                      /db_xref="taxon:10090"
                      /clone="UUGC1M0148A10"
                      /sex="Male"
                      /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                      /clone_lib="Mouse 10kb plasmid UUGC1M library"
                      /note="Vector: PWD42nv; Purified genomic DNA from M.
                      musculus C57BL/6J (male) was obtained  from the Jackson
                      Laboratory Mouse DNA Resource
```

(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

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  Query Match             0.6%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 26;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         14 GGCGGGAGGGCGGACGGA 31
              || ||||||| ||| |||
Db          1 GGAGGGAGGGGGGAGGGA 18
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```
RESULT 37
BG925569/c
LOCUS       BG925569                 18 bp    mRNA    linear   EST 06-NOV-2001
DEFINITION  HNC5-1-E2.R HNC (Human Normal Cartilage) Homo sapiens cDNA, mRNA
            sequence.
ACCESSION   BG925569
VERSION     BG925569.1  GI:14320092
KEYWORDS    EST.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 18)
  AUTHORS   Kumar,S., Connor,J.R., Dodds,R.A., Halsey,W., Van Horn,M., Mao,J.,
            Sathe,G., Mui,P., Agarwal,P., Badger,A.M., Lee,J.C., Gowen,M. and
            Lark,M.W.
  TITLE     Identification and initial characterization of 5000 expressed
            sequenced tags (ESTs) each from adult human normal and
            osteoarthritic cartilage cDNA libraries
  JOURNAL   Osteoarthr. Cartil. 9 (7), 641-653 (2001)
  MEDLINE   21482651
   PUBMED   11597177
COMMENT     Contact: Sanjay Kumar
            UW2109
            GlaxoSmithKline
            709 Swedeland Road, P.O. Box 1539, King of Prussia, PA 19406, USA
            Tel: 610-270-7245
            Fax: 610-270-5598
            Email: sanjay_kumar-1@gsk.com
            Seq primer: T7.
FEATURES             Location/Qualifiers
     source          1. .18
                     /organism="Homo sapiens"
                     /mol_type="mRNA"
                     /db_xref="taxon:9606"
                     /tissue_type="cartilage"
                     /lab_host="E.coli DH10 B"
                     /clone_lib="HNC (Human Normal Cartilage)"
                     /note="Vector: pSPORT I; Site_1: SalI; Site_2: NotI;
                     Directional"
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  Query Match             0.6%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 21;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1337 AGGAGGGAGAGGGGGG 1352
              ||||||||| ||| ||
Db         18 AGGAGGGAGTGGGAGG 3
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RESULT 38
AW246513
LOCUS       AW246513                 19 bp    mRNA    linear   EST 07-JAN-2000
DEFINITION  2821739.3prime NIH_MGC_7 Homo sapiens cDNA clone IMAGE:2821739 3',
            mRNA sequence.
ACCESSION   AW246513
VERSION     AW246513.1  GI:6589506
KEYWORDS    EST.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   NIH-MGC http://mgc.nci.nih.gov/.
  TITLE     National Institutes of Health, Mammalian Gene Collection (MGC)
  JOURNAL   Unpublished (1999)
COMMENT     Other_ESTs: 2821739.5prime
            Contact: Robert Strausberg, Ph.D.
            Email: cgapbs-r@mail.nih.gov
            Tissue Procurement: DCTD/DTP cDNA Library Preparation: Ling
            Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E.
            Consortium (LLNL) DNA Sequencing by: Berkeley MGC sequencing
            project Clone distribution: MGC clone distribution information can
            be found through the I.M.A.G.E. Consortium/LLNL at:
            www-bio.llnl.gov/bbrp/image/image.html Base Calling / Quality
            Scores: PHRED from University of Washington Genome Center. Vector
            Trimming: cross_match from University of Washington Genome Center
            PHRAP suite. Poly-T Identification: patMatch.pl from Berkeley
            Drosophila Genome Project. University of Washington Genome Center:
            http://www.genome.washington.edu Low Quality Sequence: 17
            contiguous PHRED high quality bases following vector sequence. Very
            Low Quality Sequence: Trace file contained 19 contiguous distinct
            peaks following vector sequence. Polyadenylation: Based upon the
            presence of a XhoI site followed by a run of 14 or more T residues
            at the beginning of the sequence, this cDNA insert was
            polyadenylated.
            Plate: LLCM7  row: J  column: 12
            High quality sequence stop: 17.
FEATURES             Location/Qualifiers
     source          1. .19
                     /organism="Homo sapiens"
                     /mol_type="mRNA"
                     /db_xref="taxon:9606"
                     /clone="IMAGE:2821739"
                     /tissue_type="small cell carcinoma"
                     /cell_line="MGC3"
                     /lab_host="DH10B (phage-resistant)"
                     /clone_lib="NIH_MGC_7"
                     /note="Organ: lung; Vector: pOTB7; Site_1: XhoI; Site_2:
                     EcoRI; cDNA made by oligo-dT priming.  Directionally
                     cloned into EcoRI/XhoI sites using the following 5'
                     adaptor: GGCACGAG(G).  Size-selected >500bp for average
                     insert size 1.8kb.  Library constructed by Ling Hong in
                     the laboratory of Gerald M. Rubin (University of
                     California, Berkeley) using  ZAP-cDNA synthesis kit
                     (Stratagene) and Superscript II RT (Life Technologies)."
```

```
  Query Match             0.6%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 26;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1881 TGTTTTTTTCAGGCTC 1896
              | |||||||||||  ||
Db          2 TTTTTTTTCAGGTTC 17
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RESULT 39
AZ654214
LOCUS       AZ654214                 19 bp    DNA     linear   GSS 14-DEC-2000
DEFINITION  1M0528H13F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
```

clone UUGC1M0528H13 F, genomic survey sequence.
ACCESSION AZ654214
VERSION AZ654214.1 GI:11791360
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 19)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished (2000)
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0528 row: H column: 13
Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
High quality sequence stop: 19.
FEATURES Location/Qualifiers
source 1. .19
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0528H13"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

Query Match 0.6%; Score 12.8; DB 1; Length 19;
Best Local Similarity 87.5%; Pred. No. 26;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1336 GAGGAGGGAGAGGGGG 1351
|||||||| ||||||
Db 1 GAGGAGGGGTAGGGGG 16

RESULT 40
AZ861876
LOCUS AZ861876 19 bp DNA linear GSS 21-FEB-2001
DEFINITION 2M0168F22R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0168F22 R, genomic survey sequence.
ACCESSION AZ861876
VERSION AZ861876.1 GI:13058634
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 19)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished (2000)
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0168 row: F column: 22
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 19.
FEATURES Location/Qualifiers
source 1. .19
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0168F22"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

Query Match 0.6%; Score 12.8; DB 1; Length 19;
Best Local Similarity 87.5%; Pred. No. 26;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 11 GCGGGCGGGAGGGCGG 26
| ||||||| ||||||
Db 1 GGGGGCGGGCGGGCGG 16

RESULT 41
AZ995903/c
LOCUS AZ995903 19 bp DNA linear GSS 27-APR-2001
DEFINITION 2M0281H19R Mouse 10kb plasmid UUGC2M library Mus musculus genomic clone UUGC2M0281H19 R, genomic survey sequence.
ACCESSION AZ995903

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VERSION     AZ995903.1  GI:13867130
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0281  row: H  column: 19
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
            High quality sequence stop: 19.
FEATURES             Location/Qualifiers
     source          1. .19
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC2M0281H19"
                     /sex="Female"
                     /lab_host="E. coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC2M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (female) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."

  Query Match             0.6%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 26;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

)y        240 CAATGCTGAGGAGATG 255
              ||||||  ||||||||
)b         19 CAATGCCAAGGAGATG 4


:ESULT 42
\I686814/c
)OCUS       AI686814                 19 bp    mRNA    linear   EST 14-DEC-1999
)EFINITION  tp79f06.x1 NCI_CGAP_Ut3 Homo sapiens cDNA clone IMAGE:2205539 3'
            similar to TR:Q93107 Q93107 MYOSIN I HEAVY CHAIN KINASE. ;contains
            element MSR1 repetitive element ;, mRNA sequence.
\CCESSION   AI686814
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VERSION     AI686814.1  GI:4898108
KEYWORDS    EST.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
  TITLE     National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
            Tumor Gene Index
  JOURNAL   Unpublished (1997)
COMMENT     Contact: Robert Strausberg, Ph.D.
            Email: cgapbs-r@mail.nih.gov
            Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
            Emmert-Buck, M.D., Ph.D.
             cDNA Library Preparation: Life Technologies, Inc.
             cDNA Library Arrayed by: Greg Lennon, Ph.D.
             DNA Sequencing by: Washington University Genome Sequencing Center
             Clone distribution: NCI-CGAP clone distribution information can be
            found through the I.M.A.G.E. Consortium/LLNL at:
            www-bio.llnl.gov/bbrp/image/image.html

            Trace considered overall poor quality
            Insert Length: 1432   Std Error: 0.00
            Seq primer: -40UP from Gibco
            High quality sequence stop: 1.
FEATURES             Location/Qualifiers
     source          1. .19
                     /organism="Homo sapiens"
                     /mol_type="mRNA"
                     /db_xref="taxon:9606"
                     /clone="IMAGE:2205539"
                     /tissue_type="poorly-differentiated endometrial
                     adenocarcinoma, 2 pooled tumors"
                     /lab_host="DH10B"
                     /clone_lib="NCI_CGAP_Ut3"
                     /note="Organ: uterus; Vector: pCMV-SPORT6; Site_1: SalI;
                     Site_2: NotI; Cloned unidirectionally.  Primer: Oligo dT.
                     Average insert size 1.45 kb. Life Technologies catalog #:
                     11541-018"

  Query Match             0.6%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 28;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1338 GGAGGGAGAGGGGGGCCGC 1356
              || ||| | ||||||| |
Db         19 GGGGGGGGGGGGGGGCCCC 1


RESULT 43
AZ345489/c
LOCUS       AZ345489                 19 bp    DNA     linear   GSS 29-SEP-2000
DEFINITION  1M0080D04F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0080D04 F, genomic survey sequence.
ACCESSION   AZ345489
VERSION     AZ345489.1  GI:10424726
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
```

```
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0080  row: D  column: 04
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 19.
FEATURES              Location/Qualifiers
     source           1. .19
                      /organism="Mus musculus"
                      /mol_type="genomic DNA"
                      /strain="C57BL/6J"
                      /db_xref="taxon:10090"
                      /clone="UUGC1M0080D04"
                      /sex="Male"
                      /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                      /clone_lib="Mouse 10kb plasmid UUGC1M library"
                      /note="Vector: PWD42nv; Purified genomic DNA from M.
                      musculus C57BL/6J (male) was obtained  from the Jackson
                      Laboratory Mouse DNA Resource
                      (http://www.jax.org/resources/documents/dnares/). The DNA
                      was hydrodynamically sheared by repeated passage through a
                      0.005 inch orifice at constant velocity. The sheared DNA
                      was blunt end-repaired with T4 DNA polymerase and T4
                      polynucleotide kinase. Adaptor oligonucleotides were
                      ligated to the blunt ends in high  molar excess. The
                      adaptored DNA was purified and size-selected for a 9.5 to
                      10.5 kb range using preparative agarose gel
                      electrophoresis. Vector DNA was prepared from a derivative
                      of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                      inducible derivative of plasmid R1. The vector was ligated
                      with adaptors complementary to the insert adaptors and
                      purified. The sheared, adaptored mouse DNA was annealed to
                      adaptored vector DNA, and transformed into
                      chemically-competent E. coli XL10-Gold (Stratagene) cells
                      and selected for ampicillin resistance."

  Query Match              0.6%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 28;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1918 TTAGATTGGTTCTGTTTTC 1936
              |||   ||||| |||||||
Db         19 TTAATGTGGTTTTGTTTTC 1


RESULT 44
AZ360314/c
LOCUS       AZ360314                19 bp    DNA     linear   GSS 02-OCT-2000
DEFINITION  1M0103G03R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0103G03 R, genomic survey sequence.
ACCESSION   AZ360314
VERSION     AZ360314.1  GI:10474014
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0103  row: G  column: 03
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
            High quality sequence stop: 19.
FEATURES              Location/Qualifiers
     source           1. .19
                      /organism="Mus musculus"
                      /mol_type="genomic DNA"
                      /strain="C57BL/6J"
                      /db_xref="taxon:10090"
                      /clone="UUGC1M0103G03"
                      /sex="Male"
                      /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                      /clone_lib="Mouse 10kb plasmid UUGC1M library"
                      /note="Vector: PWD42nv; Purified genomic DNA from M.
                      musculus C57BL/6J (male) was obtained  from the Jackson
                      Laboratory Mouse DNA Resource
                      (http://www.jax.org/resources/documents/dnares/). The DNA
                      was hydrodynamically sheared by repeated passage through a
                      0.005 inch orifice at constant velocity. The sheared DNA
                      was blunt end-repaired with T4 DNA polymerase and T4
                      polynucleotide kinase. Adaptor oligonucleotides were
                      ligated to the blunt ends in high  molar excess. The
                      adaptored DNA was purified and size-selected for a 9.5 to
                      10.5 kb range using preparative agarose gel
                      electrophoresis. Vector DNA was prepared from a derivative
                      of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                      inducible derivative of plasmid R1. The vector was ligated
                      with adaptors complementary to the insert adaptors and
                      purified. The sheared, adaptored mouse DNA was annealed to
                      adaptored vector DNA, and transformed into
                      chemically-competent E. coli XL10-Gold (Stratagene) cells
                      and selected for ampicillin resistance."

  Query Match              0.6%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 28;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1576 TTTATATTTTCTATTTCTC 1594
              ||| | |||||| ||| ||
Db         19 TTTTTTTTTTCTTTTTTC 1


RESULT 45
AZ401252/c
LOCUS       AZ401252                19 bp    DNA     linear   GSS 03-OCT-2000
DEFINITION  1M0167E20R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0167E20 R, genomic survey sequence.
ACCESSION   AZ401252
VERSION     AZ401252.1  GI:10516326
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
```

Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0167 row: E column: 20
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 19.

FEATURES Location/Qualifiers
source 1. .19
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0167E20"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

Query Match 0.6%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 28;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1599 TATTTATATAAAAATTTAT 1617
||| |||||| | || |||
Db 19 TATATATATATATATATAT 1

RESULT 46
AZ508288/c
LOCUS AZ508288 19 bp DNA linear GSS 05-OCT-2000
DEFINITION 1M0350A01R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0350A01 R, genomic survey sequence.
ACCESSION AZ508288
VERSION AZ508288.1 GI:10689592
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 19)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished (2000)
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0350 row: A column: 01
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 19.

FEATURES Location/Qualifiers
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/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0350A01"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

Query Match 0.6%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 28;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 2034 TTTTTGAGATACTATTTTC 2052
| ||||||| ||||||
Db 19 TATTTGAGAGGATATTTTC 1

RESULT 47
AZ513919
LOCUS AZ513919 19 bp DNA linear GSS 05-OCT-2000
DEFINITION 1M0360E13F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0360E13 F, genomic survey sequence.
ACCESSION AZ513919
VERSION AZ513919.1 GI:10695235
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 19)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished (2000)
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177

```
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0360  row: E  column: 13
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 19.
FEATURES              Location/Qualifiers
     source           1. .19
                      /organism="Mus musculus"
                      /mol_type="genomic DNA"
                      /strain="C57BL/6J"
                      /db_xref="taxon:10090"
                      /clone="UUGC1M0360E13"
                      /sex="Male"
                      /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                      /clone_lib="Mouse 10kb plasmid UUGC1M library"
                      /note="Vector: PWD42nv; Purified genomic DNA from M.
                      musculus C57BL/6J (male) was obtained  from the Jackson
                      Laboratory Mouse DNA Resource
                      (http://www.jax.org/resources/documents/dnares/). The DNA
                      was hydrodynamically sheared by repeated passage through a
                      0.005 inch orifice at constant velocity. The sheared DNA
                      was blunt end-repaired with T4 DNA polymerase and T4
                      polynucleotide kinase. Adaptor oligonucleotides were
                      ligated to the blunt ends in high  molar excess. The
                      adaptored DNA was purified and size-selected for a 9.5 to
                      10.5 kb range using preparative agarose gel
                      electrophoresis. Vector DNA was prepared from a derivative
                      of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                      inducible derivative of plasmid R1. The vector was ligated
                      with adaptors complementary to the insert adaptors and
                      purified. The sheared, adaptored mouse DNA was annealed to
                      adaptored vector DNA, and transformed into
                      chemically-competent E. coli XL10-Gold (Stratagene) cells
                      and selected for ampicillin resistance."

  Query Match             0.6%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 28;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1575 TTTTATATTTTCTATTTCT 1593
              |||| | |||||| ||| |
Db             1 TTTTTTTTTTTCTTTTTTT 19


RESULT 48
AZ630416/c
LOCUS       AZ630416                 19 bp    DNA     linear   GSS 13-DEC-2000
DEFINITION  1M0484B03F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0484B03 F, genomic survey sequence.
ACCESSION   AZ630416
VERSION     AZ630416.1  GI:11752606
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0484  row: B  column: 03
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 19.
FEATURES              Location/Qualifiers
     source           1. .19
                      /organism="Mus musculus"
                      /mol_type="genomic DNA"
                      /strain="C57BL/6J"
                      /db_xref="taxon:10090"
                      /clone="UUGC1M0484B03"
                      /sex="Male"
                      /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                      /clone_lib="Mouse 10kb plasmid UUGC1M library"
                      /note="Vector: PWD42nv; Purified genomic DNA from M.
                      musculus C57BL/6J (male) was obtained  from the Jackson
                      Laboratory Mouse DNA Resource
                      (http://www.jax.org/resources/documents/dnares/). The DNA
                      was hydrodynamically sheared by repeated passage through a
                      0.005 inch orifice at constant velocity. The sheared DNA
                      was blunt end-repaired with T4 DNA polymerase and T4
                      polynucleotide kinase. Adaptor oligonucleotides were
                      ligated to the blunt ends in high  molar excess. The
                      adaptored DNA was purified and size-selected for a 9.5 to
                      10.5 kb range using preparative agarose gel
                      electrophoresis. Vector DNA was prepared from a derivative
                      of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                      inducible derivative of plasmid R1. The vector was ligated
                      with adaptors complementary to the insert adaptors and
                      purified. The sheared, adaptored mouse DNA was annealed to
                      adaptored vector DNA, and transformed into
                      chemically-competent E. coli XL10-Gold (Stratagene) cells
                      and selected for ampicillin resistance."

  Query Match             0.6%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 28;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1599 TATTTATATAAAAATTTAT 1617
              ||| |||||| | || |||
Db            19 TATATATATATATATATAT 1


RESULT 49
AZ763729/c
LOCUS       AZ763729                 19 bp    DNA     linear   GSS 16-FEB-2001
DEFINITION  1M0559N16F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0559N16 F, genomic survey sequence.
ACCESSION   AZ763729
VERSION     AZ763729.1  GI:12875056
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
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```
            Plate: 0559  row: N  column: 16
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 19.
FEATURES              Location/Qualifiers
     source           1. .19
                      /organism="Mus musculus"
                      /mol_type="genomic DNA"
                      /strain="C57BL/6J"
                      /db_xref="taxon:10090"
                      /clone="UUGC1M0559N16"
                      /sex="Male"
                      /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                      /clone_lib="Mouse 10kb plasmid UUGC1M library"
                      /note="Vector: PWD42nv; Purified genomic DNA from M.
                      musculus C57BL/6J (male) was obtained  from the Jackson
                      Laboratory Mouse DNA Resource
                      (http://www.jax.org/resources/documents/dnares/). The DNA
                      was hydrodynamically sheared by repeated passage through a
                      0.005 inch orifice at constant velocity. The sheared DNA
                      was blunt end-repaired with T4 DNA polymerase and T4
                      polynucleotide kinase. Adaptor oligonucleotides were
                      ligated to the blunt ends in high  molar excess. The
                      adaptored DNA was purified and size-selected for a 9.5 to
                      10.5 kb range using preparative agarose gel
                      electrophoresis. Vector DNA was prepared from a derivative
                      of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                      inducible derivative of plasmid R1. The vector was ligated
                      with adaptors complementary to the insert adaptors and
                      purified. The sheared, adaptored mouse DNA was annealed to
                      adaptored vector DNA, and transformed into
                      chemically-competent E. coli XL10-Gold (Stratagene) cells
                      and selected for ampicillin resistance."

  Query Match              0.6%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 28;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1905 ACATCAGCCATTTTTAGAT 1923
              | ||||| ||| ||||||
Db         19 ATATCAGTCATGCTTAGAT 1


RESULT 50
AZ764521/c
LOCUS       AZ764521                 19 bp    DNA     linear   GSS 16-FEB-2001
DEFINITION  1M0560C17R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0560C17 R, genomic survey sequence.
ACCESSION   AZ764521
VERSION     AZ764521.1  GI:12879569
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0560  row: C  column: 17
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
            High quality sequence stop: 19.
FEATURES              Location/Qualifiers
     source           1. .19
                      /organism="Mus musculus"
                      /mol_type="genomic DNA"
                      /strain="C57BL/6J"
                      /db_xref="taxon:10090"
                      /clone="UUGC1M0560C17"
                      /sex="Male"
                      /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                      /clone_lib="Mouse 10kb plasmid UUGC1M library"
                      /note="Vector: PWD42nv; Purified genomic DNA from M.
                      musculus C57BL/6J (male) was obtained  from the Jackson
                      Laboratory Mouse DNA Resource
                      (http://www.jax.org/resources/documents/dnares/). The DNA
                      was hydrodynamically sheared by repeated passage through a
                      0.005 inch orifice at constant velocity. The sheared DNA
                      was blunt end-repaired with T4 DNA polymerase and T4
                      polynucleotide kinase. Adaptor oligonucleotides were
                      ligated to the blunt ends in high  molar excess. The
                      adaptored DNA was purified and size-selected for a 9.5 to
                      10.5 kb range using preparative agarose gel
                      electrophoresis. Vector DNA was prepared from a derivative
                      of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                      inducible derivative of plasmid R1. The vector was ligated
                      with adaptors complementary to the insert adaptors and
                      purified. The sheared, adaptored mouse DNA was annealed to
                      adaptored vector DNA, and transformed into
                      chemically-competent E. coli XL10-Gold (Stratagene) cells
                      and selected for ampicillin resistance."

  Query Match              0.6%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 28;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1338 GGAGGGAGAGGGGGGCCGC 1356
              || ||| | |||||||| |
Db         19 GGGGGGGGGGGGGGGCCCC 1


RESULT 51
AZ795136/c
LOCUS       AZ795136                 19 bp    DNA     linear   GSS 16-FEB-2001
DEFINITION  2M0049A16F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC2M0049A16 F, genomic survey sequence.
ACCESSION   AZ795136
VERSION     AZ795136.1  GI:12941845
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0049  row: A  column: 16
            Seq primer: CGTTGTAAAACGACGGCCAGT
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            Class: plasmid ends
            High quality sequence stop: 19.
FEATURES              Location/Qualifiers
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                      /mol_type="genomic DNA"
                      /strain="C57BL/6J"
                      /db_xref="taxon:10090"
                      /clone="UUGC2M0049A16"
                      /sex="Male"
                      /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                      /clone_lib="Mouse 10kb plasmid UUGC1M library"
                      /note="Vector: PWD42nv; Purified genomic DNA from M.
                      musculus C57BL/6J (male) was obtained  from the Jackson
                      Laboratory Mouse DNA Resource
                      (http://www.jax.org/resources/documents/dnares/). The DNA
                      was hydrodynamically sheared by repeated passage through a
                      0.005 inch orifice at constant velocity. The sheared DNA
                      was blunt end-repaired with T4 DNA polymerase and T4
                      polynucleotide kinase. Adaptor oligonucleotides were
                      ligated to the blunt ends in high  molar excess. The
                      adaptored DNA was purified and size-selected for a 9.5 to
                      10.5 kb range using preparative agarose gel
                      electrophoresis. Vector DNA was prepared from a derivative
                      of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                      inducible derivative of plasmid R1. The vector was ligated
                      with adaptors complementary to the insert adaptors and
                      purified. The sheared, adaptored mouse DNA was annealed to
                      adaptored vector DNA, and transformed into
                      chemically-competent E. coli XL10-Gold (Stratagene) cells
                      and selected for ampicillin resistance."

  Query Match              0.6%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 28;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1991 TCTTCTCCTAATTCTGCAG 2009
              |||||| |||  | |||||
Db         19 TCTTCTGCTACATATGCAG 1


RESULT 52
AZ861832
LOCUS       AZ861832                 19 bp    DNA     linear   GSS 21-FEB-2001
DEFINITION  2M0168H21R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC2M0168H21 R, genomic survey sequence.
ACCESSION   AZ861832
VERSION     AZ861832.1  GI:13058546
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0168  row: H  column: 21
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
            High quality sequence stop: 19.
FEATURES              Location/Qualifiers
     source           1. .19
                      /organism="Mus musculus"
                      /mol_type="genomic DNA"
                      /strain="C57BL/6J"
                      /db_xref="taxon:10090"
                      /clone="UUGC2M0168H21"
                      /sex="Male"
                      /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                      /clone_lib="Mouse 10kb plasmid UUGC1M library"
                      /note="Vector: PWD42nv; Purified genomic DNA from M.
                      musculus C57BL/6J (male) was obtained  from the Jackson
                      Laboratory Mouse DNA Resource
                      (http://www.jax.org/resources/documents/dnares/). The DNA
                      was hydrodynamically sheared by repeated passage through a
                      0.005 inch orifice at constant velocity. The sheared DNA
                      was blunt end-repaired with T4 DNA polymerase and T4
                      polynucleotide kinase. Adaptor oligonucleotides were
                      ligated to the blunt ends in high  molar excess. The
                      adaptored DNA was purified and size-selected for a 9.5 to
                      10.5 kb range using preparative agarose gel
                      electrophoresis. Vector DNA was prepared from a derivative
                      of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                      inducible derivative of plasmid R1. The vector was ligated
                      with adaptors complementary to the insert adaptors and
                      purified. The sheared, adaptored mouse DNA was annealed to
                      adaptored vector DNA, and transformed into
                      chemically-competent E. coli XL10-Gold (Stratagene) cells
                      and selected for ampicillin resistance."

  Query Match              0.6%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 28;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1338 GGAGGGAGAGGGGGGCCGC 1356
              || ||| | |||||| |||
Db          1 GGGGGGGGGGGGGGGGCGC 19


RESULT 53
AZ949434
LOCUS       AZ949434                 19 bp    DNA     linear   GSS 27-APR-2001
DEFINITION  2M0212K23R Mouse 10kb plasmid UUGC2M library Mus musculus genomic
            clone UUGC2M0212K23 R, genomic survey sequence.
ACCESSION   AZ949434
VERSION     AZ949434.1  GI:13820661
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0212  row: K  column: 23
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
            High quality sequence stop: 19.
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FEATURES             Location/Qualifiers
     source          1. .19
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC2M0212K23"
                     /sex="Female"
                     /lab_host="E. coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC2M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (female) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."

  Query Match              0.6%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 28;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1334 AAGAGGAGGGAGAGGGGGG 1352
              ||| || ||| | ||||||
Db          1 AAGGGGGGGGGGGGGGGGG 19


Search completed: September 10, 2004, 11:53:03
Job time : 1 secs
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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 13:06:49 ; Search time 0.001 Seconds
(without alignments)
3.200 Million cell updates/sec

Title: US-09-745-167A-47
Perfect score: 20
Sequence: 1 ccacacacttggcgtgtcct 20

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 0.5

Searched: 4 seqs, 80 residues

Total number of hits satisfying chosen parameters: 8

Minimum DB seq length: 20
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 4 summaries

Database : rng47.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	20	100.0	20	1	AAD40921	Human HDA1 antisen
2	15	75.0	20	1	AAD40920	Human HDA1 antisen
3	13.2	66.0	20	1	ABZ97939	Human RANTES oligo
4	13	65.0	20	1	ABZ97938	Human RANTES oligo

ALIGNMENTS

RESULT 1
AAD40921
ID AAD40921 standard; DNA; 20 BP.
XX
AC AAD40921;
XX
DT 30-OCT-2002 (first entry)
XX
DE Human HDA1 antisense oligonucleotide ISIS #123702.
XX
KW Human; histone deacetylase 1; HDA1; enzyme; hyperproliferative condition;
KW viral infection; prophylactic; inflammation; phosphorothioate backbone;
KW tumour; antisense; cytostatic; virucide; ss.
XX
OS Homo sapiens.
OS Synthetic.
XX
FH Key Location/Qualifiers
FT modified_base 1. .20
FT /*tag= a
FT /mod_base= OTHER
FT /note= "Phosphorothioate backbone"
FT modified_base 1. .5
FT /*tag= b
FT /mod_base= OTHER
FT /note= "2'-methoxyethyl residues"
FT modified_base 1. .2
FT /*tag= d
FT /mod_base= m5c
FT modified_base 4
FT /*tag= e
FT /mod_base= m5c
FT modified_base 6
FT /*tag= f
FT /mod_base= m5c
FT modified_base 8
FT /*tag= g
FT /mod_base= m5c
FT modified_base 13
FT /*tag= i
FT /mod_base= m5c
FT modified_base 16. .20
FT /*tag= c
FT /mod_base= OTHER
FT /note= "2'-methoxyethyl residues"
FT modified_base 18. .19
FT /*tag= j
FT /mod_base= m5c
XX
PN WO200250244-A2.
XX
PD 27-JUN-2002.
XX
PF 07-DEC-2001; 2001WO-US046518.
XX
PR 19-DEC-2000; 2000US-00745167.
XX
PA (ISIS-) ISIS PHARM INC.
XX
PI Monia BP, Wyatt JR;
XX
DR WPI; 2002-519880/55.
XX
PT Antisense compounds targeted against polynucleotides encoding Histone
PT deacetylase 1 useful for treating hyperproliferative conditions, e.g.
PT cancer of hematopoietic, lymphoid, myeloid or breast, or a viral
PT infection.
XX
PS Claim 3; Page 94; 120pp; English.
XX
CC The present invention relates to antisense compounds, compositions and
CC methods for modulating the expression of Histone deacetylase 1 (HDA1).
CC Sequences of the invention are useful for inhibiting the expression of
CC HDA1 in cells or tissues and for treating an animal having a disease or
CC condition associated with HDA1 e.g., hyperproliferative condition, which
CC is cancer of haematopoietic, lymphoid, myeloid or breast or a condition
CC resulting from a viral infection. Antisense compounds either alone or in
CC combination with other antisense compounds or therapeutics can be used as
CC tools in differential and/or combinatorial analyses to elucidate the
CC expression patterns of a portion or the entire complement of genes
CC expressed within cells and tissues. They are commonly used as research
CC reagents and diagnostics. They may also be useful prophylactically such
CC as to prevent or delay infection, inflammation or tumour formation. The
CC present DNA sequence is an antisense oligonucleotide targetted to human
CC HDA1 DNA
XX
SQ Sequence 20 BP; 3 A; 8 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 100.0%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCACACACTTGGCGTGTCCT 20
||||||||||||||||||||
Db 1 CCACACACTTGGCGTGTCCT 20

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RESULT 2
AAD40920
ID   AAD40920 standard; DNA; 20 BP.
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AC   AAD40920;
XX
DT   30-OCT-2002  (first entry)
XX
DE   Human HDA1 antisense oligonucleotide ISIS #123701.
XX
KW   Human; histone deacetylase 1; HDA1; enzyme; hyperproliferative condition;
KW   viral infection; prophylactic; inflammation; phosphorothioate backbone;
KW   tumour; antisense; cytostatic; virucide; ss.
XX
OS   Homo sapiens.
OS   Synthetic.
XX
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FT                   /mod_base= OTHER
FT                   /note= "Phosphorothioate backbone"
FT   modified_base   1. .5
FT                   /*tag= b
FT                   /mod_base= OTHER
FT                   /note= "2'-methoxyethyl residues"
FT   modified_base   1
FT                   /*tag= d
FT                   /mod_base= m5c
FT   modified_base   3
FT                   /*tag= e
FT                   /mod_base= m5c
FT   modified_base   8
FT                   /*tag= f
FT                   /mod_base= m5c
FT   modified_base   13. .14
FT                   /*tag= g
FT                   /mod_base= m5c
FT   modified_base   16. .20
FT                   /*tag= c
FT                   /mod_base= OTHER
FT                   /note= "2'-methoxyethyl residues"
XX
PN   WO200250244-A2.
XX
PD   27-JUN-2002.
XX
PF   07-DEC-2001; 2001WO-US046518.
XX
PR   19-DEC-2000; 2000US-00745167.
XX
PA   (ISIS-) ISIS PHARM INC.
XX
PI   Monia BP,  Wyatt JR;
XX
DR   WPI; 2002-519880/55.
XX
PT   Antisense compounds targeted against polynucleotides encoding Histone
PT   deacetylase 1 useful for treating hyperproliferative conditions, e.g.
PT   cancer of hematopoietic, lymphoid, myeloid or breast, or a viral
PT   infection.
XX
PS   Claim 3; Page 94; 120pp; English.
XX
CC   The present invention relates to antisense compounds, compositions and
CC   methods for modulating the expression of Histone deacetylase 1 (HDA1).
CC   Sequences of the invention are useful for inhibiting the expression of
CC   HDA1 in cells or tissues and for treating an animal having a disease or
CC   condition associated with HDA1 e.g., hyperproliferative condition, which
CC   is cancer of haematopoietic, lymphoid, myeloid or breast or a condition
CC   resulting from a viral infection. Antisense compounds either alone or in
CC   combination with other antisense compounds or therapeutics can be used as
CC   tools in differential and/or combinatorial analyses to elucidate the
CC   expression patterns of a portion or the entire complement of genes
CC   expressed within cells and tissues. They are commonly used as research
CC   reagents and diagnostics. They may also be useful prophylactically such
CC   as to prevent or delay infection, inflammation or tumour formation. The
CC   present DNA sequence is an antisense oligonucleotide targetted to human
CC   HDA1 DNA
XX
SQ   Sequence 20 BP; 2 A; 5 C; 5 G; 8 T; 0 U; 0 Other;

  Query Match            75.0%;  Score 15;  DB 1;  Length 20;
  Best Local Similarity  100.0%;  Pred. No. 1.3;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          6 CACTTGGCGTGTCCT 20
              |||||||||||||||
Db          1 CACTTGGCGTGTCCT 15


RESULT 3
ABZ97939
ID   ABZ97939 standard; DNA; 20 BP.
XX
AC   ABZ97939;
XX
DT   17-OCT-2003  (first entry)
XX
DE   Human RANTES oligonucleotide sequence.
XX
KW   Human; antisense; lung dysfunction; nasal airway dysfunction;
KW   antiinflammatory steroid; ubiquinone; antiinflammatory; antiallergic;
KW   antiasthmatic; hypotensive; immunosuppressive; cytostatic; gene therapy;
KW   antisense gene therapy; respiratory; lung; adenosine sensitivity;
KW   adenosine receptor; bronchodilation; bronchoconstriction; lung allergy;
KW   lung inflammation; respiratory disease; ds.
XX
OS   Homo sapiens.
XX
PN   WO200285308-A2.
XX
PD   31-OCT-2002.
XX
PF   23-APR-2002; 2002WO-US013135.
XX
PR   24-APR-2001; 2001US-0286137P.
XX
PA   (EPIG-) EPIGENESIS PHARM INC.
XX
PI   Nyce JW,  Li Y,  Sandrasagra A,  Katz E,  Pabalan J,  Aguilar D;
PI   Miller S,  Tang L,  Shahabuddin S;
XX
DR   WPI; 2003-229219/22.
XX
PT   Pharmaceutical composition for treating ailments associated with impaired
PT   respiration, has oligo(s) antisense to specific gene(s) or its
PT   corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or
PT   ubiquinone.
XX
PS   Disclosure; SEQ ID NO 13181; 872pp; English.
XX
CC   The invention relates to a novel pharmaceutical composition, which has a
CC   first active agent comprising an oligonucleotide antisense to the
CC   initiation codon, coding region, 5' or 3' end genomic flanking regions,
CC   5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of
CC   junctions of genes encoding a polypeptide associated with lung and/or
CC   nasal airway dysfunction and a second active agent comprising an
CC   antiinflammatory steroid and ubiquinone. A composition of the invention
CC   has antiinflammatory, antiallergic, antiasthmatic, hypotensive,
CC   immunosuppressive, and cytostatic activity. The composition may have a
CC   use in antisense gene therapy. The composition is useful for treating or
CC   preventing a respiratory, lung or malignant disease or condition, also
CC   for enhancing the prophylactic or therapeutic respiratory effect of an
CC   antiinflammatory steroid in a subject, for reducing or depleting levels
CC   of, or reducing sensitivity to adenosine, reducing levels of adenosine
```

CC receptor, producing bronchodilation, increasing levels of ubiquinone or
CC lung surfactant in a subject's tissue, or treating bronchoconstriction,
CC lung inflammation, lung allergies, or a respiratory disease or condition.
CC Note: The sequence data for this patent is not represented in the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 20 BP; 3 A; 6 C; 4 G; 7 T; 0 U; 0 Other;

Query Match 66.0%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 3 ACACACTTGGCGTGTCCT 20
||||||||||| || |
Db 1 ACACACTTGGCGGTTCTT 18

RESULT 4
ABZ97938
ID ABZ97938 standard; DNA; 20 BP.
XX
AC ABZ97938;
XX
DT 17-OCT-2003 (first entry)
XX
DE Human RANTES oligonucleotide sequence.
XX
KW Human; antisense; lung dysfunction; nasal airway dysfunction;
KW antiinflammatory steroid; ubiquinone; antiinflammatory; antiallergic;
KW antiasthmatic; hypotensive; immunosuppressive; cytostatic; gene therapy;
KW antisense gene therapy; respiratory; lung; adenosine sensitivity;
KW adenosine receptor; bronchodilation; bronchoconstriction; lung allergy;
KW lung inflammation; respiratory disease; ds.
XX
OS Homo sapiens.
XX
PN WO200285308-A2.
XX
PD 31-OCT-2002.
XX
PF 23-APR-2002; 2002WO-US013135.
XX
PR 24-APR-2001; 2001US-0286137P.
XX
PA (EPIG-) EPIGENESIS PHARM INC.
XX
PI Nyce JW, Li Y, Sandrasagra A, Katz E, Pabalan J, Aguilar D;
PI Miller S, Tang L, Shahabuddin S;
XX
DR WPI; 2003-229219/22.
XX
PT Pharmaceutical composition for treating ailments associated with impaired
PT respiration, has oligo(s) antisense to specific gene(s) or its
PT corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or
PT ubiquinone.
XX
PS Disclosure; SEQ ID NO 13180; 872pp; English.
XX
CC The invention relates to a novel pharmaceutical composition, which has a
CC first active agent comprising an oligonucleotide antisense to the
CC initiation codon, coding region, 5' or 3' end genomic flanking regions,
CC 5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of
CC junctions of genes encoding a polypeptide associated with lung and/or
CC nasal airway dysfunction and a second active agent comprising an
CC antiinflammatory steroid and ubiquinone. A composition of the invention
CC has antiinflammatory, antiallergic, antiasthmatic, hypotensive,
CC immunosuppressive, and cytostatic activity. The composition may have a
CC use in antisense gene therapy. The composition is useful for treating or
CC preventing a respiratory, lung or malignant disease or condition, also
CC for enhancing the prophylactic or therapeutic respiratory effect of an
CC antiinflammatory steroid in a subject, for reducing or depleting levels
CC of, or reducing sensitivity to adenosine, reducing levels of adenosine
CC receptor, producing bronchodilation, increasing levels of ubiquinone or
CC lung surfactant in a subject's tissue, or treating bronchoconstriction,
CC lung inflammation, lung allergies, or a respiratory disease or condition.
CC Note: The sequence data for this patent is not represented in the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 20 BP; 3 A; 5 C; 6 G; 6 T; 0 U; 0 Other;

Query Match 65.0%; Score 13; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 CACACACTTGGCG 14
||||||||||||
Db 5 CACACACTTGGCG 17

Search completed: September 16, 2004, 13:06:49
Job time : 0.001 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 13:08:39 ; Search time 0.001 Seconds
(without alignments)
1.600 Million cell updates/sec

Title: US-09-745-167A-47
Perfect score: 20
Sequence: 1 ccacacacttggcgtgtcct 20

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 0.5

Searched: 2 seqs, 40 residues

Total number of hits satisfying chosen parameters: 4

Minimum DB seq length: 20
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 2 summaries

Database : rnpb47.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	20	100.0	20	1	US-09-754-167-47	Sequence 47, Appl
2	15	75.0	20	1	US-09-754-167-46	Sequence 46, Appl

ALIGNMENTS

RESULT 1
US-09-754-167-47
; Sequence 47, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
; FILE REFERENCE: RTS-0140
; CURRENT APPLICATION NUMBER: US/09/754,167
; CURRENT FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 47
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-47

Query Match 100.0%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 CCACACACTTGGCGTGTCCT 20
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Db          1 CCACACACTTGGCGTGTCCT 20
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RESULT 2
US-09-754-167-46
; Sequence 46, Application US/09754167
; Patent No. US20010019328A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 1 EXPRESSION
; FILE REFERENCE: RTS-0140
; CURRENT APPLICATION NUMBER: US/09/754,167
; CURRENT FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 46
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-754-167-46

Query Match 75.0%; Score 15; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          6 CACTTGGCGTGTCCT 20
              |||||||||||||||
Db          1 CACTTGGCGTGTCCT 15
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Job time : 0.001 secs